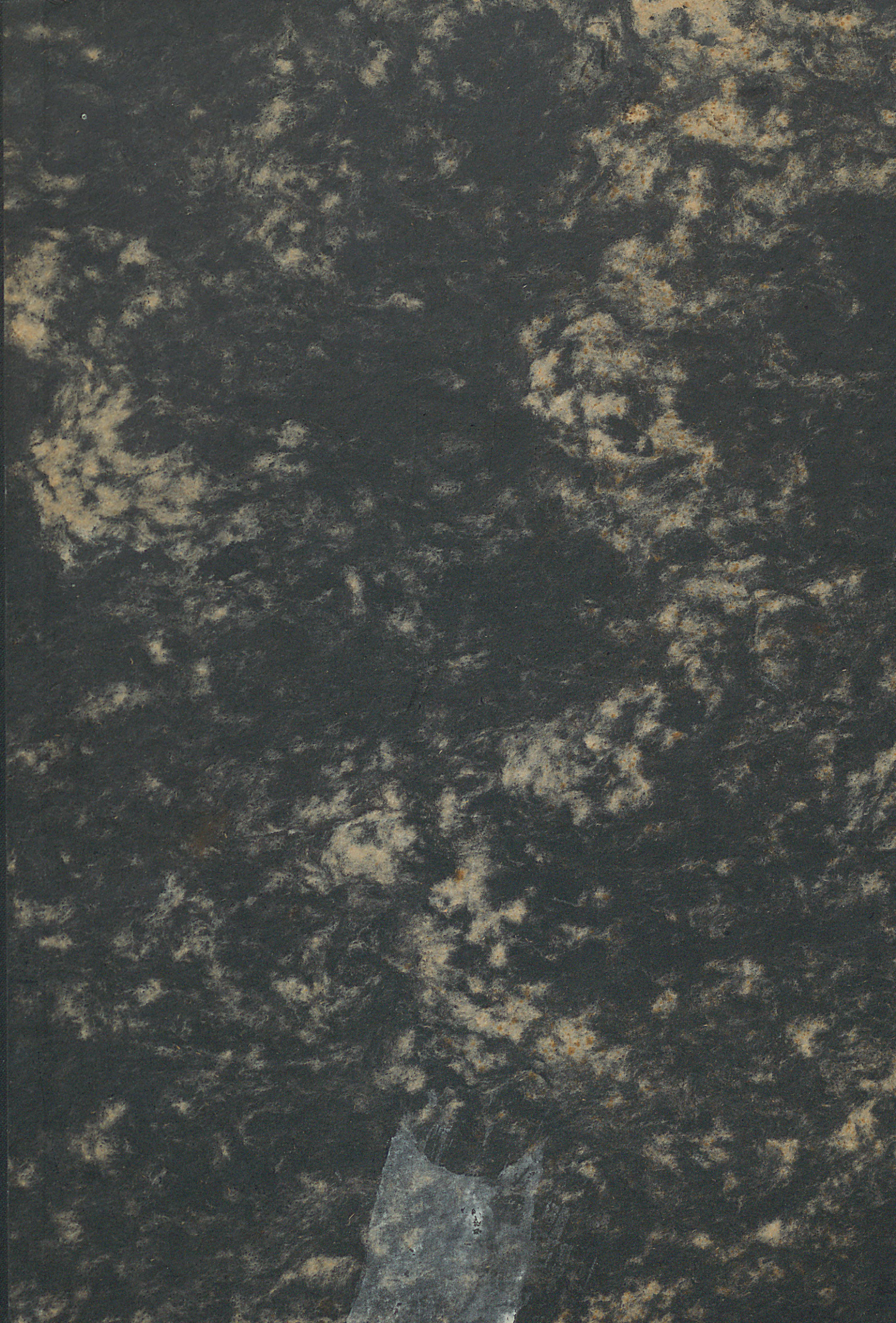


12/6

# Acacia Acinacea (Gold Dust)

| | | |
|---|---|---|
| 1966 | 25th Sept | Flowering along rd to Stony Creek |
| 1967 | 1 Sept | In bud along Cowwarr - Glenmaggie Rd |
| 1968 | 3rd Sept | Flowering " " " " |
| 1969 | Oct 4th | " " " " |
| 1970 | Oct 11th | " " " " |
| 1972 | July 29th | Plants with buds formed " " |
| | Aug 27th | Flowering at Mt. Arapiles |
| 1981 | Aug 25th | Flowering near Rifle Range Heyfield-Seaton Rd. near Heyfield. |
| 198. | ~~April 22~~ Sept. 7 | Record sent to Dr. Parsons from Seaton. |
| 1973 | Sept 2nd | Flowering at Bendigo under A. rotundifolia |
| 1994 | Sept. | Dawson Railway Reserve |

now included in A. acinacea.

Acacia rotundifolia Round-leaf Wattle.

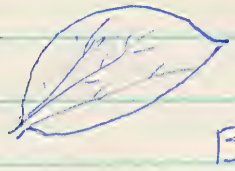
1973 Sept 2nd Flowering at One Tree Hill at Bendigo and in the Whipstick

# Acacia aculeatissima Thin-leaf Wattle

1971 Aug 29th. Plant in bud on road to Wanderland area in the Grampians. Low plant about 1ft high or less and prostrate. leaves short, up to ½" long, thin pointed, angular but the most outstanding feature is the angles of the leaves. They point downwards along the stem but not all in the same direction so that they appear scattered in all directions. Flowers in balls on single stems.

# Acacia alpina

1971 Jan 17th Plants growing at Mt Useful. Had all finished flowering and pods were growing still green and underdeveloped. Also the buds for next years flowers were formed. Is this because of the limited time available for growing in these snow areas. Leaves were yellow green. They were also off-centre.



Buds show that flowers will be catkins.

Branches are very flat. Main stems are ridged.

1995 Jan 15th Dargo weekend

Acacia aspera.

1973 Sept 5th Flowering near Lake Eppalock - Bendigo.

Acacia ausfeldi.

1973 Sept 6 Flowering in the Whipstick.

# Acacia Baileyana (Cootamundra)

1967 Aug 19th Flowering along highway over railway line. Has been flowering for over a month. Of course it must be ~~garden~~ escaped from cultivation as it is only native in a ~~few~~ areas in N.S.W. Beagle says flowers Aug. Sept low altitudes but Oct to Jan in high altitudes. Very dense flowers on ends of branches on branchlets. Leaves very pinate. Pinnae on specimen 4 pairs, pinnules 15 - 25 pairs - very whitish feathery appearance. Quite big tree. Lovely sight when in flower.

1968 6th Aug Flowering at Traralgon Golf Course

1969 ~~Aug 16th~~ July 25th " at Hazelwood.

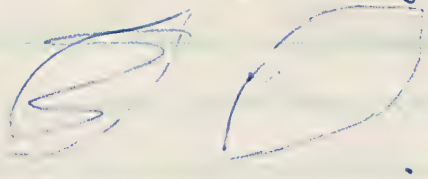
1971 " " at "

Aug 8th " at Langigans

Aug 29th Quite a number of trees growing throughout the Ciramplans. I presume they were planted.

1994 Oct 28th Traralgon Sth Flora Reserve.

Acacia brachybotrya Grey Mulga

1972 Aug 28th Almost in flower on road to Little Desert. Rounded shrub about 8ft high. Branches stiff, hairy. Leaves up to 1" long rather thick blue-green & hairy. Flowers balls on single stalks but usually clustered at leaf bases Gland about 1/3 along upper margin. leaves 

1973 Sept 3 Plants in bud in the Whipstick - Bendigo.

# Acacia Brownei

1966 Sept 9th Flowering along Clark's Rd. Must have been flowering for some time as seed pods were forming (although small) and very red. The seed pods are joined together circularly around a given point and twist when open, an unusual formation.

1967 June 24th Buds formed but not very well developed. Found on King Hway to Cann River. Brownii leaves flat or almost so certainly not circular, long sharp points on leaves. Flowers will be bright yellow color dilated at base open in Spring. A. Ulicifolia has ~~round~~ leaves, + pale yellow flowers, flowering in winter. Form of Brownii found on King Hway was prostrate form only about 6" to 1ft high, stem reddish, flower stalks as long as leaves.

Sept 1st Commencing flower at Glenmaggie.

Sept 16 Flowering near Rosedale Reserve. All plants found so far app. 2ft high

1968 Sept 8th Flowering at Glenmaggie. Flowers very bright yellow. Flower stalks as long as longest leaves. Heads dense rather sparsely arranged on plant. Plant low about 18" high., many heads only in bud at this time. No stipules at leaf bases and leaves straight not dilated at base. Leaves also have grooved effect. Stem of plant rigid & brown.

Oct 6th 12th Flowering Tyon Sth Reserve in Warragul area.

1971 Aug 28th Flowering at Wildflower Sanctuary in Stawell. Also at places in Grampians.

1972 July 22nd Flowering at road near Glenmaggie.

1972 Sept. Miss Galbraith says difference between this wattle & dicipfolia is that this wattle has quadrangular phyllodes while the other one has flat phyllodes. Description in Vic. Nat. Feb 1957.

1994 May 1 Growing on Rustens property near Darlamurla.
Sept. " " Dawson Railway Reserve
1990 & 1991 Oct 12 " " Mr Heddrick
1996 Dec 1st Early Road - Move in significant roadside area.

Acacia buxifolia Box-leaf Wattle.

1992 Jan 25th Plant in fruit growing on way up to Buckely Plain from Angler's Rest. Exactly like illustration in Costermans.

Acacia cognata. Bower Wattle.

1993 Jun 31 Plants growing along roadside in Errinundra N.P.
Also know this plant from Highway near Mt Drummer NP.

# Silver Wattle - Acacia Dealbata.

1966 Tree in full flower August 7th. (Sunny day.)
Sept 18th Silver Wattle still flowering along Sunday Rd.
1967 Aug 13th Flowering along Sunday Road.
Sept 17th Still flowering near kitchen window.
1968 Aug 17th Flowering along lane - in full bloom
Sept 31st " at Stoney Cr. beautiful sight. leaves feathery bluish green. Flowers in branched racemes with many bright yellow heads. Main stalk of raceme almost straight in some case but jointed in others. Racemes from leaf bases & at end of branches. Racemes on long thick stalk. Stalks & branches deeply grooved green with reddish wings on edge of grooves, even main stalk of leaves are grooved. Flower head stalks yellow; heads quite distinct & globular. Strong perfume.
1969 Aug 3rd Flowering at Willung South.
29th " " Providence Ponds. At roadside near Granite Rock we found sport of this wattle with the tips of the wattle decidedly yellow.
1970 Apr. 29th. Ollie reports unusual plant of A. dealbata on side of road at Herne's Oak. This plant grows up about 1 ft & then trunk bends over & branches spread out parallel to the ground, but the branchlets are not growing up erect but rather spreading on ground in prostate form.
July 25th Flowering at Rintoul's Creek.
Aug. 9th " in A.P.M. reserve.
23rd " in Cormandale reserve.
" at Holey Hill Trig Pt.

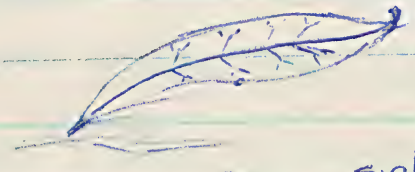
1970 Aug 29th Flowering at Darlamurla.
Oct 1. " new area Rosedale.
1971 Aug 29th " in the Cirampians
Sept 25th " near Toronga Falls.
1972 Jan 30th Plant growing in Bryce's Gorge.
Feb " " at Mt St Gwinear
July 9th Flowering at Billy Goat Bend.
" 22 " " Fairy Dell.
" 29 " " Seaton Road.
Aug 1st Commencing to flower in our lane.
Sept 2nd Flowering on trip home from Horsham.
1973 Aug 4th " at T'gon Sth
" 8th " on APM to Tom's Bridge Rd.
" 25th " at Boola Boola.
1975 Aug 30th " " Mullundung.
1990 July 22nd Commencing to flower in Cormandale area.
1993 Jan 31 Plants growing in Errinundra N.P. they look very much more bluish & pubescent than the plants around here
1995 Apr 12 Plants growing in Drouin Water Reserve
~~Apr~~ Jan 15th Dargo weekend.
1990 Oct 13 & 1991 Oct 12 Growing on Mt Heddrick
1996 Jan 20th Mt Hotham Weekend.
1997 " 18th Livingston Creek near Omeo.
1999 Jan 23rd Recorded both trips to Cielantipy weekends.
2001 Aug 27 " in Newborough bush.
Nov 3 Plants growing in Sandy Creek Bush Block Newborough
2002 Nov 23 " " " Holey Plains State Park
2006 July 19 " " " Cannibal Hill

# Acacia decora

1973 Mch 17 Plant growing in Lake Tali Khan area. Miss Galbraith identified specimen. Cannot be A. alpina as it only has one main vein. Cannot be A. rubida although it goes red on drying because lateral veins are not straight but are devided inconspicuously about the middle



Small plant. leaves up to 8mm wide and 42 mm long. All leaves end in little hook pointed to one side away from branch and away from any sickle curve. Edge of leaf



thick as if vein along margins. Tiny veins do not appear to reach margins but all veins except mid vein rather inconspicuous. Point of leaf not pungent.
Branches appear to be 4 sided
leaves alternate. Tapering longer to base than apex.
Flowers in axillary racemes with about 16 flowers to a head but so immature that they could have more when more distinct. Racemes almost as long as leaves.
Each flower-head has distinct stalk ± 2mm long.
Raceme branched

# Acacia Decurrens (Early Black)

1967 Aug. 27th Flowering along rd to Stony Creek
Not native to Victoria.

1968 Sept 3rd Flowering at Stony Cr. Cowwarr.

1969 Aug 20th " in block next to Miss Galbraith's.

1971 Aug 30 Flowering in the Cirampirains but as they were near houses we assumed they had been introduced.

1992 July 29th Just commencing to flower near Stoney Creek.
Aug 24th Flowering at Mt. Arapiles.

1989 Feb. 25th Plant growing in West Cully Yallourn North. This species was planted in 1934, on the original Yallourn overburden dump in the hope they would use the bark. However that was never done. The wood was used for fast firing the ovens at the Yallourn Bakery for many years. Information from Ian McDonald.

2001 ~~Nov~~ Dec 3. Plants growing in Sandy Creek Bush Block Newborough

Acacia diffórmis

1973 Sept 4. Plant growing in Whipstick but not in lower. End branchlets flat at different angles, they change at each leaf base

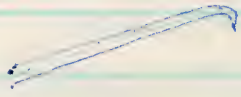
ACACIA ELATA Cedar Wattle.

1989 Jan 8th Plants growing in forest along Tyers/Walhalla Road in Boola Boola forest near Moondarra turnoff. There is quite a little plantation here. Seeds were scattered by Tyers man who worked in the forest & had brought back the seeds from N.S.W.

euthycarpa

Acacia Calamifolia Wallowa

1971 Sept 3. Flowering at Mt Arapiles Apparently has long flowering period as shrubs have buds, blossoms & pods on same shrub. Quite strong perfume : pleasant. Leaves up to 2" long flattish with one nerve, no obvious gland. Tip of leaf quite bent and pointed with strong but not pungent point



Flowers in balls on short stem and sometimes singly or in pairs Very bright yellow at leaf bases.

Pods long up to 3" long and constricted between the seeds. Pods flat & pointed

1972 Aug 27th Flowering at Mt Arapiles

28th " " Little Desert.

# Acacia Falciformis

Grows along (Traralgon) Callignee 5th road past reserve on Wolfe's on ~~left~~ right-hand side. leaves wide & sickle shape with gland at base on one side. Quite big ~~trees~~ shrubs. Identified by Miss Galbraith.

1969 Feb 16th No sign of flowers or seed pods. Lots of new plants or new growth on rootstock where trees had been felled.
Oct 19th Plants with buds on them near Chester Park
Nov 2nd Flowering at Briagalong.
~~1970 Sept 24~~
1970 Nov 25th Growing at Briagalong
1971 Jan 17th " along road to Mt Useful. (VF)
Nov 12th Flowering at Traralgon South
1972 July 22nd Plant growing in Fairy Dell.
1976 Oct 11th Recorded with Dr. Parsons. T16.
1994 Nov 9th Licola weekend.
1990/1 Oct 12 Mt Heddrick

Acacia farinosa Mealy Wattle

1971 Sept 1st Flowering on Mt Zero trip in the Grampians. Not a tall tree about 6 ft. leaves about 3 cm long 2 mm wide, broader towards the tip and tending to sickle shape and rounded at apex. leaves ridged and tending to be split with pimples & ridges in split as Specimen rather dry
Flower heads solitary or in pairs each on short stalks. Flowers bright yellow. Branches purplish with white covering or mealiness

1972 Aug 28th Plants growing on road to Little Desert. Buds with white mealy appearance.

1973 Sept 2nd Flowering behind the Golf links at Bendigo & in the Whipstick

Acacia flexifolia Bent Wattle.

1973 Sept 3 Flowering in the Whipstick - Bendigo,

# Acacia Floribunda — White Sallow Wattle

1968 Sept 10th Flowering in Botanical Gardens Melb. leaves very thin, tapering to fine point up to 8 cm long 2-3 mm wide, dark green, tending to curve under at edges. Flowers - one spike to a leaf base or separate spikes approx 2½ cm long very loose, so as to count heads when in bloom. Spike stalk straight, very fine, approx 20 heads to spike. Light yellow flowers, heads very small. Branches brown to greenish brown near tips. No glands & no stems on leaves. leaves same color on each side, alternate on stem. Whole appearance fine in size & texture. Very tall tree. 20 or so. Nerves of leaves inconspicuous but longitudinal. Flower strongly scented.

1973 ~~Aug 18th Just coming into flower at Stoney Creek~~

1991 Jan 26th Plant growing on Tullock Ard Road near Gelantipy.

Acacia frigescens — Montane Wattle.

25.4.89 Plant identified by Miss Galbraith at the car park at the Ada Tree off Powelltown Road.

21.4.89 Plant growing as above. Leaves are sub-glaucous especially on the underside. Apex of leaves more pointed than A. melanoxylon, leaves broader than Blackwood. Veins mostly 4 parallel or ± so, with secondary longitudinal veins as well as network veins. Leaves mealy to feel. Buds singly or in pairs on my specimen at this stage. Couldn't find any pods. Laura White identified, also said first leaves are not pinnate as with most wattles but are phyllodes right from the first. Gland is right at the base of the leaf.

1993. Jan 31. Plants growing in Errinundra N.P.

# Acacia (Diffusa) Genistifolia (Spreading)

1966 Oct 16th Flowering along Cormandale Rd.
1967 Aug 6th " " 5th ~~Gallignee~~ Clark's Road.

leaves angular, slightly flattened approx 1½ inches long with brown spike at tip. leaves pointing upwards Stem ribbed. Plant + leaves stiff.
Flower globular, two at each leaf axil - stems approx ½" golden yellow. Buds at top of stalk and at about from middle to base all buds but in between flowers in full bloom. Stems of flowers pale yellow.

Sept 16 Still flowering at Rosedale
Oct 13th " " " Labertouche
1968 Sept 3 Flowering at Glenmaggie. Also found very drooping plant. Stems long + willowy, flowers only at end of branches + few. Fine yellow flower stalks about ¾" long singly at leaf bases. lovely golden yellow heads.
Sept. 15th Flowering along Cormandale Rd.
Oct 6th Almost finished flowering along Call. 5th Road.
" 20th Still flowering " " " "
1969 Aug 24th Flowering at Glengarry North.
~~Sept 4th~~ " " Wilson's Prom.
Oct 19th " " Chester Park.
1970 Aug 23rd. " " Cormandale.
" 23rd " " Holey Hill Trig Pt.
Sept 19 " " Call 5th Road
" 26 " among the pines at Longford.
Oct 1 " at New Rosedale Reserve
" 11 " at Heyfield but almost finished.
1971 Aug 30 " at Grampians " Plants quite different from ours. Balls very pale colour - leaves short to ¾" with pungent point, ridged

and slightly sickle-shaped and dark green.

1971 Sept 19th Flowering beautifully along Calligree South road with lovely deep yellow blooms.

Aug 22nd Flowering in Loch Sport area

Oct 10 " Calligree Sth Rd.

24th " at Reid's Road Corner

1972 July 29th " on Seaton Road.

Sept 2nd " on trip home from Horsham.

10th " at Rosedale

1975 Aug 30 " - Mullundung.

1978 Jan. Synonymous with A genistifolia - A.B. Court, Muelleria 2 : 157 (1972) [C. Beauglehole. + R. Parsons.]

1994 Nov 26 Plant growing in APM block on Sth Gipp. Hway,

2001 Aug 28 " " Newborough bush

# Acacia glandulicarpa — Hairy-pod Wattle

1972 Aug 28th Flowering on road to Little Desert. Identified by Mr A. Lindner. Phyllodes small about ¼ - ½" long almost circular with very prominent vein. Leaves at right-angles to stem giving an unusual look. Flowerheads on single stalks but grouped at the leaf bases. Lovely Golden colour. Pod small about ½" long and ¼" wide covered with white hairs. Delicate shrub. Branches also hairy. Photographed.

Acacia glaucescens.

1970 Nov 23. Growing at Briagalong.

Not in census

# Acacia Ciunnii (Ploughshare)

1967 June 20th Found in bud on the King H'way. Very low woody shrub with tiny leaves .5cm long with point on end, without stem. Leaf shaped like ploughshare. Vein closer to one edge than other flat side ~~then~~ down to point. Flowers globular, stems as long as leaves. Even small branches woody.

Nov 5th ~~Flowering~~ In seed at Cowwarr near gravel pits. Seed pods constricted between seeds. Stipules present 2 mm long hair-like. Flower stalk about length of leaves. Many pods from one stalk.

1968 Sept 3rd Flowering at Cowwarr near gravel pits. Plant stood a little over 1ft high, quite dense with many flowers but most of them past their prime.

1969 Oct 4th Flowering at Burgoin's Gap.

1970 Jan 2nd Plants with seeds at Burgoin's Gap.

1971 Aug 29th Flowering in the Grampians.

1994 Nov 9th Licola Weekend.

1990/1 Oct 12 Mt Heddrick

# Acacia Howittii (Sticky)

1960 Sept 23rd. Flowering Blackwarry Scenic Rd.
Very lacy tree for wattle. Leaves very similar to Oval Fork fern at quick look, small flowers. Leaves sticky.

1969 Sept 21st Flowering at Ciellondale.

1974 Sept. Plants growing on Kangaroo Swamp Road & North-South Road in Mullungdung Forest.

1986 Aug. Girls working on C.E.P. project report this plant growing on Bulga Park - Balook Rd near McKenzies Rd.

# Acacia implexa (Lightwood)

| | | |
|---|---|---|
| 1970 | Jan 1st | Flowering at Licola. |
| | 24th | " along Bruthern Road |
| | Sept 26 | " among pines in Longford. |
| | Nov 25 | Growing at Briagalong. |
| 1971 | Sept 2 | Flowering in the Cramporns |
| 1989 | Apr. 16 | Along Clarke's Road plants growing |
| 1993 | Jan 31 | Flowering in Errinundra N.P. |
| 1993 | Oct 15 | Plants growing on Clark's Rd west of Mattingsley Hill Road. |
| 1994 | Nov 1. | Plants in Casuarina Reserve at Eulham |
| | Oct 30 | " " Dawson Water Reserve. |
| | " | " " " Railway Reserve. |
| 1995 | Jan 15th | Dargo weekend. |
| 1990/1 | Oct 12 | Mt Heddrick & base of Mt Heddrick |

Acacia Juniperina

Aug. 28 1966 Flowering Callignee South Road

Thus specimen was probably A. Diffusa

*Acacia* *Kybeancnsis* Kybean Wattle

1999 Jan 24 Identified by James Turner on Cleanup weekend

# Acacia lanigera

1973 Sept 5th Flowering at Diamond Hill - Bendigo
1994 Sept 9th There are now 3 varieties of Acacia lanigera.
1994 Nov 9th hicola weekend.

1971

# Acacia leprosa

1971 Aug. 28. Flowering at Mullungdung along Anzac Road. Flowers in balls in twos or threes at leaf bases. Leaves alternate - leaf-stems very short - one main mid-rib with a secondary vein parallel on short side nearest the branch. Leaves with mucronate point though not rigid. Flower stalks about 1 cm long. Flower with more than 20 flowers to each ball. Leaves slightly sickle-shaped. Cio greyish on drying. Branches ~~rigid~~ ridged.

Correct size.

Tree about 6ft high.
Flowers same colour as A. strict or Varnish Wattle.

2006 July 31 Specimen from Roland Good's garden in Traralgon has red flowers. When he bought it at the nursery it was named Acacia cerossa but when I rang the local nurseries for a name before Roland found his again, I got the name Acacia leprosa + the common name Scarlet Blaze. So perhaps it was only hopefully named cerossa before the taxonomists got to it. It certainly looked like Varnish Wattle leaves + some varieties of A. leprosa are stated as very like Varnish Wattle. (Flowers) Heads of Roland's specimen were a good 5 cm across + singly from leaf bases. It is quite a fine flower. Story has it that bushwalkers first found it + then it was grown by tissue culture. When they went back to show it to others the plant had died. Andrew Green said his plant grew well + was a picture in bloom but it just suddenly died too. With plants at ~~prent~~ present $50 for a plant about 1m high that is not a good characteristic.

Acacia ligulata. Small Cooba

1972 Aug 28th Plant growing on road to Little Desert. Leaves app. 2" + long with tiny point at end. Flowers in racemes. because of growth of seeds as plant was not flowering. Mr Lindner thought it may be A. ligulata var murrayii.

Acacia longifolia (Sallow)

1967 June 18th Found in bud near Club Terrace.
Leaves approx 14 cm long & 1 cm wide. Leaves without stems but leaves narrowing at base. Many longitudinal veins. Little crooked point at tip of leaves (probably will fall off.) Stems ribbed & brown. Flowers in catkins, more than one catkin at each leaf axil, usually two.

July 29th Flowering at Darlamurla.

Aug 13th " along Callignee Sth Road.

Aug 29th " near Dead Horse Gully. Two varieties, one with leaves 4 mm wide 9 cm long - many longitudinal veins (app. 8). Flowers two catkins to each leaf base. Flower has appearance of being fine & feathery as flowers are not close together - catkins 3 cm long with up to 11 balls of flowers. Second variety still with many longitudinal veins (app. 5) but leaves 14 cm long and 2 mm wide. Whole tree has drooping appearance, still two catkins from each leaf base, catkins up to 4 cm long and with app 13 heads even more open than first variety. Heads less like balls more like bowls . Leaves of both varieties with fine small point but quite straight & falling off as leaf matures.

1968 Sept 3rd. Found specimen just above bridge at Stoney Creek. Leaves 5mm wide & 12 cm long with almost round point with fine point on end. Leaves very dense with no actual stem but long thin part about 1-2 cm long to gland before widening. Flowers in pairs from leaf base & also in pairs where no leaf base. Spikes very dense more towards ends of branches usually succeeding pairs at right angles. Spikes about 1" long impossible to count heads.

Branches black to dark brown, still brown amongst flowers. Leaves dull green 3 main longitudinal veins, lighter green underneath. Leaves alternate

Oct 13th Further up Creek than last reported. Still flowering at Stoney Creek.

1971 Aug 30 Flowering in profusion in the Cirampians. Much more robust form than around here. Leaves 14cm on specimen but they were much longer further down plant. 2-2.5 cm wide. Catkins almost 5 cm long.

Aug 8th Flowering at Whitelaw's Track. T.S.

2001 Aug 27th Growing in Neuborough bush.

Dec 1 " " Sandy Creek Bush Block Neuborough.

(sophorae) longifolia subsp. sophorae

# Acacia (longifolia var sophorea)

1969 May 24th. In bud. at Cape Paterson.
leaves 7.5 cm long 2 cm wide many veins, point rounded. leaves alternate with up to 3 catkins at each leaf base. Leaves stalked, gland at base of leaf when joined to stem.

Aug 16th In bud at Wilson's Prom.

Sept 4th Flowering at " " . This wattle has quite wide leaves light green + lovely thick dense catkins of flowers.

Sept 21st Flowering beautifully at Cellindale

1971 ~~Aug~~ 22nd " " in Loch Spark area. towards Lakes National Park.

1995 Oct 28 Growing on Wonthaggi Heathlands

1996 Oct 12th " " Paradise Beach at 2nd pipeline.

2003 June Name change in Census 7th edition.

# Acacia (Mollissima) Mearnsii — Late Black Wattle

1966 Nov 13th Flowering at Lanigan's.
1967 Nov 5th " " Cowwarr
1969 Nov 2nd " " "
1970 Nov 25 Growing at Briagalong.
1971 Nov 13th Flowering at Cowwarr.
1975 Aug 30 " " Mullundung.
1976 Nov 10th Recorded with Dr Parsons. 552
1989 Feb. This species was planted in 1934 on the original Yallourn overburden dump in the hope the bark would be collected & used. However this never happened but the wood was used for fast firing the ovens at the Yallourn Nth bakery for many years. Information from Ian McDonald.
1994 Nov 26 Flowering in APM block on Sth Gipp. Hway
1994 Oct 28 Flowering at T'gon Sth Reserve
Nov 1 " " Casuarina Reserve Fulham.
Oct 30 " " Dawson Water Reserve
" " " " Railway "
1990/1 Oct 12 " " Mt Hoddrick
1995 Dec 12 " " Railway line Reserve Traralgon
1999 Jan 23rd Recorded on Gelantipy weekend
2001 Dec 1 " " Sandy Creek Beech Block Newborough

# Acacia Melanoxylon Blackwood

Aug 7th 1966 Flowering APM bush
1967 Sept 3 Flowering at School.
" 23rd " " at Blackwarry
1968 Sept 3rd " " Glengraggie.
1969 Sept 4th " " Wilson's Prom.
" 27th " " Giellandale
1970 Aug 23rd. " " Cormandale.
" 29 " " Darlamurla.
" Sept 26 " " pines at Longford.
1971 Sept 2nd " " the Grampians
" Oct 10th " " APM reserve.
" Sept 28th " " at Toronga Falls.
1975 Aug 30 " " Mullundung.
1989 Apr 25 Plants growing along Downies Lane
1993 Jan 31 " " in Errinundra N.P.
1994 Oct 28 " " " Tgon Sth Reserve.
1995 Apr 12 " " " Drouin Water Reserve
1997 Oct 12 " " " Mt Heddrick
1995 Dec 12 " " " Railway Line Reserve Tgon
1997 Apr 5 " " at APM Reserve - Grand Ridge Road
2000 Dec 3 " " Sweetwater Creek Reserve
2001 Aug 27 " " Newborough bush
" Dec 1 " " " " Sandy Creek.
2006 Nov 4 Flowering at Springsure area.

Acacia microcarpa — Manna Wattle.

1972 Aug 21st Plant growing on road to Little Desert.
Rather rough plant with thick leaves.
leaves are about 2" long ending in
a stiff point but not really pungent.
Book shows gland near tip of leaf on
each leaf but I can only find it on
two leaves on our specimen
Stems flattened ~ reddish
Flower stalks at base of each leaf.
Mr hindner identified these plants.

# Acacia mitchellii

1971 Aug 30. Plants growing and in seed at the Cirampians. leaves bipinnate small not ~~for~~ very dense + sparse up the branch. Pods straight, reddish, on long stalks, longer than leaves. mostly two pods together.

1972 Aug 28th Plant in seed on hittle Desert.

# Acacia montana.

1973 Sept 3rd Flowering in the Whipstick - Bendigo.
1994 Sept 9th There are now ~~3~~ no longer 2 varieties of this species.

# Acacia Mucronata (variable sallow)

Aug 21st 1966 Flowering Sunday Rd.
Also found another variation opposite Furze Hakia on Callignee South road. Leaves single nerve but with definite bent spike on each leaf. leaves nearly 4" big approx ¼" wide. Flowers in buds. Seales and flower a very short catkin like the sweet wattle. Pods flat and brown (A. Suavelons)

Sept 17th. Above variety flowering along Racecourse Rd. Rosedale

Sept 24th Suggest above variety may be Acacia Mucraflora as seen on Parlamurla excursion & identified by Mr. Marshall.

1967 Aug 27th Flowering at Stony Creek.

Sept 24th " at Cormandale.

1968 Aug 25th " locally. leaves very fine about ¼" across flowers in catkins. Tiny point on end of leaves but this often knocked off & falls off easily.

Sept 4th locally collected specimen. Leaves 12 cm long 3 mm wide one main vein, end of leaf curved to one side with very tiny point. Flowers in spikes with as many as 4 spikes at one leaf base where pairs mostly on same side of branch giving V effect, sometimes just singly. Branch greenish light brown, turning to yellow towards tip. Yellow where flowers are. leaves slightly lighter on underside. Cannot find any glands. leaf with no stem. Flowers on spike loosely so as to be possible to almost the number of heads.

1969 July 26th Flowering along Mountain Hut Road & in bush at Parlamurla.

1969 Aug 24th Flowering at Glengarry North.
1970 July 25th " " Rintoul's Creek
Aug 29th " " Darlamurla.
Sept 13th " " A.P.M. reserve.
1971 Aug 29th " throughout the Grampians.
Sept 19th " at Whitelaws Track area.
" 25 " on way to Toronga Falls.
Oct 24th " at Reids Corner.
1973 Aug 11th " in Boola Boola forest.
Aug 4th " at Traralgon South.
Aug 18th " at Stoney Creek This variety has very fine leaves & very like A. floribunda but it has glands present about 1/3 up the leaf from the base.
Aug 25th Flowering in Boola Boola
1990 Jan 25th See under A. obtusifolia plant in bud.
1993 Jan 31 Plants growing in Errinundra N.P.
2000 Dec 3 " " " Sweetwater Creek Reserve
2001 Nov 3 " " " Newborough Bush
Dec 1 " " " " Sandy Creek.
2004 Apr 3 " " " Coffey's Road Block
2006 Nov 11 " " " Springsure area.

# Acacia Myrtifolia (Myrtle)

1966 24 Sept Flowering Darlamurla

1967 June 24th leaves about 1" long tapering suddenly to very fine point. Flowers in ~~catkin~~ globular heads in racemes in bud on Warragul excursion. leaves with edge that looks like a vein; stem red.

Oct 13th Plants at Haberfoueche

1969 Aug 16th Flowering at Mirboo North.

Oct 12th " " Warragul.

1971 Aug 29th " in Wonderland area and other places in the Grampians.

1972 Aug 28th Flowering at Grampians. Stems 4 angular. leaves about 1½" long sickle shaped.

1974 Spring Flowering in Mullungdung Forest.

1975 Aug 30th " " " "

1995 Apr 12 Growing in Drouin Water Reserve.

Oct 28 " on Wonthaggi Heathlands

2000 Dec 3 " " Sweetwater Creek Reserve.

# Acacia Obliquinervia (like falciformis w/o. glands)

1967 Sept 23rd Flowering along Blackwarry Scenic Rd. Keys out in books to A. falciformis but does not have the necessary glands & is a slightly darker yellow. Waiting name from Herbarium.

1968 Sept. 8th Flowering along road between Bulga Park and Tarra Valley. In tree it is quite a yellow green. Where glands are present they are so far down leaf as to leave no room for connecting nerve. Flowers globular, main stem of raceme going to each head ~~is~~ very strong aroma. Stems reddish, veins of leaves is yellowish, main vein quite close to outside edge of leaf . Flower raceme not necessarily from leaf base. Specimen collected had up to 14 heads in a raceme but each head very separate and dense

1970 Sept 24th Flowering at Calders Junction.

1976 Oct 11th Recorded with Dr. Parsons T25.

1993 Jan 31 Plants growing in Errinundra N.P.

1995 Jan 15th Dargo weekend.

1996 Jan 20th Mt. Hotham "

1989 In Muelleria Vol. 7/1 Apr 1989 describes A. acrionescens

which is called as A. obliquinerva in the latest Entrance, Buchan area - P. 131

Acacia obtusifolia Blunt-leaf Wattle

1991 Jan 25th Flowering on Glentipy weekend with Bairnsdale only in W+Z in Beauglehole 1990.
leaves long up to 20cm and app. 1cm wide with blunt points. Veins longitudinal perhaps 3 prominent but quite a few extra fine ones that sometimes appear with gaps when held up to light; mostly parallel with very few slanting veins. A distinguishing feature is the glandular resinous margins which appear light in colour if held up to light but reddish if looked at normally. Leaves ridged through eye glass. Flowers in spikes, paired on stems, with about 10 pairs of balls up centre of spike and app. one flower to a ball + covered with firm waxy bracts which appear to persist when flowers open. Spikes 5cm long ±.
Also collected specimen of same species I think but leaves were only 4mm wide and 10cm long and appears to be glandular resinous on margins but not very distinct. This may be A mucronata. Dad's thinks so too.

1991 Jan 31st Plants flowering along roadside in Errinundra N.P. Identified by James Turner.

~~1999 Jan 23rd Reco~~

Acacia Oxycedrus (Spike)

1966 7th Aug Flowering along Callignee South Road.
18th Sept " " " " "
1967 6th Aug " " " " "

Young leaves on very young plant are pinnate and close to ground almost like rosette before a short shoot with spikes appears.

29 Aug. Flowering on Bush Paddock
23rd Sept " " Blackwarry Scenic Rd.
20th Oct Seeds on bush in APM bush. A great number of seeds. Many plants seen later in seed too Was this dry season?.
1968 Aug 10th Flowering near Ciarmandale Reserve.
Sept 15th Still " " "
1969 Aug 3rd Flowering at Willung South.
29th " beautifully at Providence Ponds
1970 Aug 23rd " in Ciarmandale - beautiful spikes.
23rd " at Holey Hill Trig Point.
Sept 5th " " New Area Rosedale.
14th " " Dixon Down Road
Oct 1 " " New Rosedale Reserve
1971 Aug 8 " " Whitelaw's Track T.S.
Aug 29th " in the Grampians.
Sept 19th " along Callignee South Road.
Aug 22nd " at Loch Sport.
Oct 10th " Callignee Sth Rd. " Rosedale
Sept 25th " at Toronga Falls
Nov 13th Plants at Reid's Corner.
1972 Sept 10th Flowering at Rosedale.
1975 Aug 30th " " Mullundung
1994 Nov 26 Plants on APM block Sth Gipp. Hway
Nov 9th Licola weekend.

Acacia (Armata) Paradoxa. (Hedge)

1966 Sept. 17th. Flowering along Racecourse Rd, Rosedale. Yellow globular heads.

1967 Sept 1st Flowering along Coolwarr - Glenmaggie Rd

1968 Sept 3rd " " " " "

15th " " Cormandale Rd.

1969 Sept 13th " at Longford - Rosedale

26 " near Dalsun Down Road

1970 Oct 1 " in new area Rosedale

1970 Oct 11 " at Heyfield

1971 Aug 28th " in area near Wildflower Sanctuary at Stratford also in Grampians.

Oct 10th Flowering along Calligree Sth Road or probably near Flynn's Creek.

1972 Sept 2nd Flowering on trip home from Horsham.

1973 Aug 11th " in Boola Boola forest.

1972 Sept 10th " at Rosedale.

1994 Nov 26 Plants in APM block Sth Gipp. Hway.

Nov 1 " " Casuarina Reserve Fulham

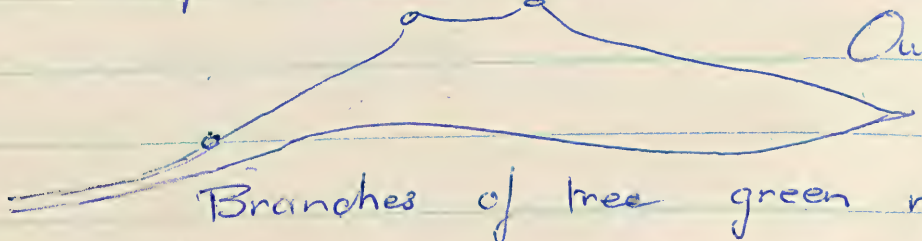
1990/1 Oct " on Mt Heddrick

# Acacia Pycnantha (Golden)

1967 Aug 27 Flowering at Stony Creek. A tall tree 10' high. Leaves about 1" wide and 3" long. Top covered in golden blossom.

1968 Sept 8th Flowering from Stony Ck to Glenmaggie leaves sickle shaped with main vein almost in centre of leaf. Gland towards base on top side of leaf. Flowers dense in racemes which towards end of branch can be branched. Main stem jointed. Flowers at leaf bases but end of branch just mass of blossom. Single racemes have up to 20 heads & can have two single unbranched racemes from one leaf base.

One tree had leaves with a protrusion on upper side which looked like a second gland. This gives the leaf an almost fishlike outline. Two leaves on specimen collected even had two protrusions.



Outline of actual leaf.

Branches of tree green round & smooth. leaves medium green shiny on top & slightly shiny underneath. leaves have long narrow part before widening out & short brown stem.

| | | |
|---|---|---|
| 1969 | Aug 24th | Flowering at Glengarry North. |
| | 29th | lovely trees on roads near Granite Rock. |
| | Oct 4th | Flowering at Cowwarr |
| 1970 | Jan 2nd | Plants with lots of tiny buds already formed. Miss Galbraith thought they would not mature till early next spring. |
| | Oct 11th | Flowering at Heyfield |
| 1971 | Aug 28th | Flowering behind Stawell and in the Grampians |
| 1972 | July 29th | Just commencing to flower on Seaton Rd. |
| | Aug 29th | Flowering at Mt Arapiles |
| | Sept 2nd | " on trip home from Horsham. |
| 1973 | July 14 | Flowering at Toongabbie North |
| 1975 | Aug 30th | " Mullundung. |
| 1994 | Oct | Plants growing Dawson River Reserve |
| 1990/1 | Oct 12 | " " Mt Heddricks |
| 2006 | Nov 4 | " " Springsure area |

Acacia Retinodes Wirilda

1971 Sept. 2. Flowering near Lake Bellfield in Grampians. Flowers in loose racemes up to 2½" long. Leaves 5" x ¼" straight sometimes with kink ~~neo~~ or curve near apex. Leaves with one prominent vein. Branches reddish widening at each leaf. Leaves with very short stemlike thick attachment. ~~the~~ Gland ~~on~~ upper side of leafe and very close (⅛" to ¼") to the "stem". Flowers in balls - very dense. Calyx not hairy. Stalks of flower raceme also red

1972 Sept 1. Flowering in the Grampians.

1979 June 7th Flowering sparsely at Lake Narracan. Plants had not been planted as they were growing in a drain depression. Did not see any mature trees in the area but ~~they~~ the species may have been planted during the landscaping of the lake. Certainly I feel they are now naturalised there now as there were several plants about 4ft high in the area where you cross to the island.

Acacia rigens Nealie

1972 Aug 28th Flowering on roads to Little Desert. Phyllodes app. 2" long ending in blunt point, very thin, ridged & tough - do not snap. Flowers deep golden, in groups at leaf bases but each flower on single stalk. Photographed.

Acacia rubida — Red-stem Wattle.

1959 Sept 16th Flowering on way down from Mt Elizabeth although we did see one tree going up. leaves large sickle-shaped that hung down leaving the bright yellow racemes of 9-15 flowers more visible. leaves dark green tapering from centre to each end.

1991 Jan 26th Recorded on Cielantipy weekend

1999 " 23rd " " " "

# Acacia rupicola — Rock Wattle.

1971 Sept 4th Flowering at Mt. Arapiles.

Small shrub rather straggly about 3ft high. Phyllodes pungent tall Triangular /\ attached to stem by base. one prominent nerve. Stem rather grooved or ridged. Flowers from ~~stem~~ leaf bases on short stems, one flower to a leaf base., flowers in balls. Pods on long stems but not quite as long as phyllodes. Pods at least 5cm long thin or narrow and wrinkled. Plant can have pods at bottom of stalk and buds at top.

Acacia spiculiformis Dagger

1970 Jan 25th. Plant in seed at the Cobberas

1971 Jan 30th Plant in seed on plains at Howitt Springs. Our specimen had stalks to the flowerheads. leaves $\frac{3}{4}$" long ending in very decided fine point – tapered at both ends but without apparent stem. Pods about 1" long, flat, dark brownish with about 4 seeds quite visible but pod not indented around seed.

1989 Jan 14th Plant in seed at Wulgulmerang.

1997 Jan 18th " " " Livingstone Ck near Omeo

Acacia silvestris Red Wattle.

1989 Sept 16th Flowering along Omeo Road between Bairnsdale & Mt Elizabeth turn-off. Pinnules broadest below the centre & pointed at apex. Some glands on rachis between the pairs of pinnae. Flowers very bright yellow & leaves greener than Silver Wattle. Restricted in East Gippsland on Tambo & Upper Snowy Rivers & in N.S.W up near Bodalla. Name from colour of timber.

Acacia spinescens Spiny Wattle

1932 Aug 28th Flowering on road to Little Desert near Salt Lake area.
Small stiff shrub with branchlets ending in strong pungent point. No leaves. Flowers stalkless in clusters of 3 or 4 globular, vivid almost orange-yellow. Branches green with small ridges.

# Acacia Stricta (Hop)

1967 Aug 27 Flowering at Stony Creek

1969 Aug 16 Flowering at Wilsons Prom. leaves alternate 7cm long 8mm wide, gland almost on stem on upper side. Flowers balls from leaf bases in twos or threes. End of leaves rounded, one main vein very noticeable. Flowers on stalks 5mm long

Aug 24th Flowering at Glengarry North. leaves longer, up to 10cm, & narrower, 5mm, than above. Only 2 flowers at each leaf base. A more slender plant altogether.

Sept 4th Flowering at the Prom only this specimen was big tree 20ft high and leaves had whitish blue-grey appearance but still Stricta Miss Galbraith verified this identification.

1971 Sept 1 Flowering in the Rose Gap area. The leaves are quite dark green - pointed at both ends. Quite a nice trees Also near Flat Rock.

1972 Sept 10th Flowering in Rosedale on Chessum Rd. at turn off to Haley Hill Trig Point. leaves up to 3" with one conspicuous mid vein & net veins each side. Gland at base of leaf on upper margin.

Flowers - balls ~~orangly~~ on stems but one on two pairs at the leaf bases and another pair or pairs between leaf bases.
Flowers golden-yellow.
Leaves have vein along both margins or at least margin of leaf is same colour as midvein & not green, leaves end with short brown point which tends to turn to one side.
Stems ridged & spreading at leaf bases.

1972 Aug 29th Flowering in Grampians (Crollon Gorge)
Sept 10th " at Rosedale
1974 Sept " in Mullungdung Forest
1994 Aug 30th " " " "
1995 Apr 12 Growing in Drouin Water Reserve.
1996 Aug 31 " " Jindivick hand-care area.
1997 Sept 6 " on Moe Rail Trail
2004 Aug 27 " " Newborough bush

Acacia stricta (cont)

2006 Nov 4 Growing in Springsure area.

# Acacia Suaveolens.

1966 June Flowering at Racecourse at Marlo.

1967 Oct 8th " along Callignee Rd. near Furze Hakia. a few flowers left but plenty of blue wide short flat pods.

1968 June 9th Flowering along Lime-pit Rd. Rosedale. Buds with scales brownish. Flowers in globular heads on stalks but arranged in racemes. Balls are fairly loose approx. 12 or so flowers to a ball, 7 or 8 balls to a raceme. Leaves 3" long about ¼" wide with one main rib in centre + one on each margin Point at end of each leaf. Leaves alternate and flowers at base of each leaf, sometimes 2 racemes from the one leaf base.
Stem is flat towards edges + edges quite pointed Flat edge turns after each leaf so that each leaf comes off the edge but leaves are around stem as well as alternate.

1968 July 21st Flowering along Callignee Sth Road.
Sept. 15th " " Cormandale Rd near sand pit.

1969 May 10th A few flowers along Lime-pit Rd. Rosedale
24th Flowering at Cape Paterson. Plants very small leaves only 3.5 cm long + 3mm wide.
18th Flowering at Willung South.

1969 Aug. 3rd. Flowering at Willung South.
Sept 4th " and in seed at Toleys Rd.
at the Tram. Pods very flat wide
& bluish.
13th Still flowering at Rosedale
Oct 12th Flowering in Tynong North.
1970 Apr 26th Flowering in area near Leongatha
May 25th " along Old Port Road.
Aug 23rd " at Rosedale.
23rd " at Holey Hill Trig Pt.
1971 June 6th " at Rosedale.
Aug 8th " " Whitelaw's Track T.S.
Sept 19th " " " " "
Aug 22nd " " Loch Sport area
Oct 10th " " Rosedale
1972 Sept 10th " " "
1973 May 13th " " "
July 1st " " "
April 21st " on Whitelaws Track.
1975 Aug 30th " at Mallacoota.
1978 May 7th " in Holey Plains S.P.
1989 May 11th " at Boodyarn.
1990 July 22nd " in full glory in Cormandale area.
1994 Nov 26 Plants in APM block Sth. Cipp Hway
1995 Oct 28th " on Wonthaggi Heathlands

# Acacia Subporosa. (Weeping variety)

1967 June 15th Tree in bud found on road past Club Terrace to Combienbar. Very weeping tree & very pretty effect. Leaves very thin flat, narrow about 1mm wide 7-9 cm long, grey green color, with more than one main vein. Buds at axils of leaves, globular heads. Stems angular, green, branched. This is a species of East Gippsland. Found on road not far from Hamea.

Acacia (Botrycephala) terminalis (Sunshine)

1966 Aug 27th Seedling transplanted into reserve.
1967 March 27th Flowering at Wathalla.
April 28th " " Tyers.
Sept 1st Seedpods formed and very few late flowers along Cowwarr – Glenmaggie Rd.
Apl 23rd In seed on Blackwarry Scenic Rd. Pods long about 9".
Oct 8th " " "
1968 Apr 14th Just commencing to flower. Buds everywhere but only few flowers fully out. At gravel pit on our property.
Apr. 21st In full bloom along Calligree Rd.
July 21st In full bloom along Calligree 5th Road.
Aug 24th Still a few flowers on plants, as well as young pods in amongst young pines at Giormandale.
1969 March 30th Flowering Calligree Road - few plants in flower.
Apr 4th " well along Calligree Road.
1970 Mch 27th " along Calligree Road, also a few flowers on tree in garden
Apr. 6th Many flowers on tree in garden.
May 25 Flowering at Giormandale Reserve
Oct. 1. Growing " New Rosedale Res
Nov 25 " in Briagalong.
1971 Aug 8 Flowering on Whitelaw's Track. T.S. Almost finished
1973 May 13th Flowering at Rosedale
April 21 " on Whitelaw's Track
1975 Aug 28th Plant growing in Mullundung.
1978 Jan. Name synonymous with A. terminalis while A. terminalis (introduced) is changed to A. elata. M.P. Tindale, Telopea 1(1): 81-82 (1975) [C. Brongkhole & R. Parsons]

1978 May 7th Still flowering in Holey Plains S.P.
Has been flowering for over a month
in Traralgon South.

1989 May 11th Plants completely in flower at Boolarra + T'gon Sth.

1990 July 22nd Flowering but mostly finished in Cormandale area.

1994 Nov 26 Plants in APM Block Sth Gipp. Hway

1990/1 Oct 12 Mr Heddrick

1995 Oct 25 "

# Acacia Ulicifolia

1967 June 17th Found flowering at Granite Rock & King H'way
Flowers pale yellow stalks no longer than leaves in specimens we found. Leaves dilated at base, slightly rounded on two sides ⬭ finishing in very sharp point about 1mm or more long. Stem red. ~~Bush over~~

July 2nd Flowering in Traralgon South Reserve & has been for some time. Bush over 6 ft high.

Sept 1st Almost finished flowering at Glenmaggie.

Oct 1 ~~A~~ Last flowers in T'gon Sth Reserve.

Nov 4th In seed in Wolfe's swamp.

1968 July 21st Flowering in T'gon Sth Reserve.

Nov 10th In seed Clarke's Rd.

1969 Aug 29th Flowering at Providence Ponds

31st " Clarke's Rd.

Oct 4th " Couwarr.

1970 Sept 15th " T'gon Sth Reserve. Flower stalks longer than leaves.

19 Flowering along Call. Sth Road

1971 Sept 19th " in T'gon Sth Reserve

1972 Sept 17th Flowering at Rosedale from Holey Hill Trig Point ~~Lookou~~ ~~Trig~~. Difference between this & A. brownii is that this plant has flat phyllodes while A. Brownii has quadrangular phyllodes. Desc. in Vic. NATS. Feb. 1957.

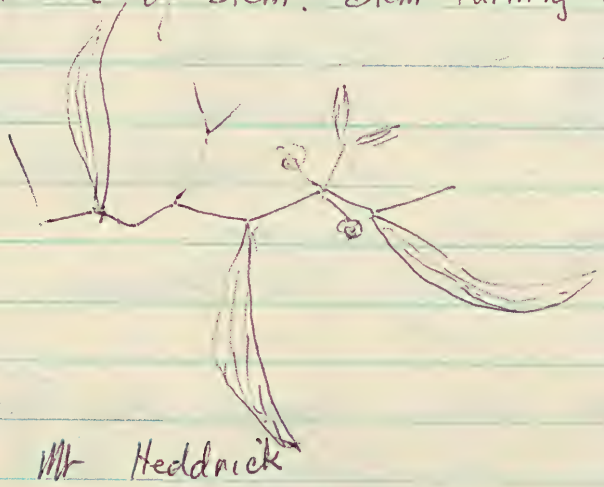
1990 July 22nd Flowering in natural bushland in Cormandale/Rosedale area.

A

~~Acianthus~~ Acacia Verniciflua (Varnish)

1966 Flowering in bush opp. O. Lade's Traralgon Cr. Rd. Sept. 3rd
Nov 2nd Still flowering opp. Mrs O. Lade's
1967 Aug 27 Flowering opp. O. Lade's.
Sept 23rd Still flowering Blackwarry Scenic Rd.
Oct 13th " " at Labertouche
1968 Sept 3rd Flowering at Cowwarr.
22nd " Shingle Ck Reserve
Oct 20th Still " " " "
1969 Aug 16th Flowering along Mountain Hut Road
24th " at Glengarry North
1970 Sept 7 " around Home.
19 " Call. Sth Road
Oct 17th " at Briagalong.
1971 Sept 19th " along Downies Lane. Has been in bloom about a fortnight.
Oct 10th Flowering in APM reserve.
23rd " in Morwell Nat. Park.
1972 July 22 Plant growing at Fairy Dell.
Aug 23rd Flowering at Mt Arapiles
29th " " the Grampians.
Sept 10th " " Rosedale
1975 Aug 30th " " Mullundung.
1993 Oct 15th Checked plants along Clark's Rd as Geoff Carr et al recorded Acacia leprosa in this area. Neville Scarlett checked all specimens & declared them all A. verniciflua.
1994 Oct 28 Plants in Traralgon Sth Reserve.
1995 Apr 12 " " Drouin Water Reserve.
1995 Oct 29. Flowering but with just a few flowers along Insolvent Track near Boronia galbraithiae. These plants had very small leaves ~~not~~ up to 45 mm long, sickle shaped, 2 nerves, thin with visible oil glands, Branches rather thin

and weak. Flowers deep yellow singly but sometimes one on each side of stem. Stem turning at each branch.



1990/1 Oct 12 Mt Heddrick
1997 Apr 5th Growing in APM Reserve Grand Ridge Rd
2000 Dec 3 " " Sweetwater Creek Reserve.
2001 Aug 27 " " Newborough Bush.
2004 Apr 3 " " Coffey's Road Block

# Acacia Verticillata. (Prickly Moses)

1966. Flowering above our track Sept 3rd.
1969 July 29th Commenced flowering at Darlimarla.
Oct 1 Flowering in T'gon Sth Reserve. Short catkins appox. ½" long
1968 Sept 15th Flowering along Gormandale Rd.
Oct 6th " " Cochrane's lane
" 27th " " Reid's Corner
1969 Oct 31st " " along Clarke's Rd.
Sept 4th Ordinary variety growing + flowering at Tuley Rd but further on there was the spreading variety - leaves much further apart + whole plant much weaker, flowers smaller + catkin's shorter.
Sept 13th Flowering at Longford + Rosedale
Oct 12th " " in Tynong North.
" 19th " " along Clarke's Road.
1970 Aug 29th " " at Darlamurla.
Sept 19th Almost flowering in T'gon Sth Reserve.
Sept 3 Flowering in the Grampians
1971 Oct 10th " Call. Sth Rd.
Sept 25th " at Toronga Falls
Oct 24th " at Reid's Rd. Corner.
1973 Sept 14th " " Boola Boola forest.
Aug 25th " " " " "
1975 Aug 30th " " Mullundung.
1994 Nov 26 Plants in APM block Sth Gipp. Hway.
1995 Apr 12 " " Drouin Water Reserve.
1996 Apr 5th " " APM Reserve - Grand Ridge Road.
Sept 19th Flowering along ~~Boola~~ Boola Boola Road. There are two varieties - one with long whorled leaves + long catkins + the other with short leaves not whorled + short catkins to almost globular heads.

Think two varieties are var. ovoidea & var. verticillata

Variety ovoidea has leaves in fascicles or alternately arranged rather than in whorls; flowers globular oroveid (1cm long)

Variety verticillata has phyllodes all in whorls & flowers in spikes mostly more than 1cm long

2000 Dec 3 Growing in Sweetwater Creek Reserve.

2001 Aug 27 " " Newborough bush

Dec 1 " " " Sandy Creek.

williamsonii

Acacia (hakeoides var. angustifolia) Whirrakee Wattle.

1973 Sept 3 Flowering profusely in Whipstick. Plants with bluish appearance but fresh growth quite green. Plants about 8ft tall. Flowers in balls in racemes at leaf bases. Leaves smooth to touch, rounded at apex, pointing upwards about 2" long but some much longer.

Acaena X anserovina Hybrid Burr

1999 Jan 23rd Identified from specimen from Cleland trip weekend.

# Acaena echinata

1979 Jan. 15th Recorded specimen with Dr. Parsons for Woodside - Carrajung Rd. but it was identified as hybrid off. anserovina.

1994 Nov 7th Flowering in Nicola area. leaflets with hairs only on veins. leaflets ± 11 pairs with extra one at apex. Spines on burrs unequal.

" Nov 9" Plants growing in Dawson R'way Reserve Nicola weekend.

1996 Sept 5th Growing roadside reserve, Tramway Rd, Churchill - Ken Harris.

Acaena. Novae-Zelandiae. sangusorba ~~anserinifolia~~ Bidgee Widgee Burr.

| | | |
|---|---|---|
| 1972 | Jan 30th | Plant at Mt Hewitt. |
| 1993 | Jan 31 | " growing + in burr in Errinundra NP. |
| 1994 | Oct 28th | Flowering in Traralgon Sth Reserve. |
| | Oct 30th | " " Dawson Water Reserve |
| | " | Growing in " R'way " |
| 1995 | Apr 12 | " " Drouin Water Reserve. |
| | Jan 15 | Dargo weekend. |
| | Oct 28th | Growing on Wonthaggi Heathlands |
| 1990/1 | Oct 12 | " " Mt Heddrick |
| 1995 | Dec 19 | " " Railway Line Reserve. T'gon |
| 1996 | Jan 20 | " " Mt Hotham Weekend. |
| 1997 | Apr 5th | " " APM Reserve Grand Ridge Rd. |
| 1999 | Jan 23rd | " " Gelantipy weekend. |
| 2001 | Dec 1 | " " Sandy Creek Bush Block Newborough. |
| 2006 | Sept 30 | " " Sinensis Track. |
| | Nov 4 | " " Springsure area. |

Acaena ovina — Sheep's Burr.

1972 Jan 30th Plant at Mt Howitt.
1994 Nov 1 Flowering in Casuarina Reserve Fulham
" " " Dawson Hway Reserve
1995 Dec 19th " " Railway line Reserve T'gon

* Acetosella vulgaris Sheep Sorrel

1994 · Nov 1. Plant growing in Casuarina Reserve Fulham.
Oct 30 " " " Dawson Water Reserve.
" " " " Fwy "
1995 Jan 9th ~~Pargo meeting weekend~~ Pargo weekend.

Achillea millefolium Yarrow.

1992 Mch. 14th Flowering on roadside past turnoff to TV towers. Plant about 2ft high with single erect stalk carrying leaves from about 6" above the ground to base of flower umbels. Leaves on plants we collected up to 7" long at base of stalk to appr 1" at base of flower clusters. Leaves twice pinnatisect with very fine segments, villose, sessile & spreading half way round stalk of plant, alternate.
Flowers in dense flat corymb. Each individual flower with 5 ray-florets & the rest tubular and dense. Flowers dusty pink on some plants & white on other plants. Involucre long in comparison with width of flower, ribbed, about 3 or 4 rows of involucre bracts, green with burgandy hairs on the margins.
In arrangement of flowers the peduncles are long & the pedicles vary in length so that the top of the corymb is flat. Quite pretty flower. Good illustration in German Wildflower book.

# Acianthus Caudatus.

1966 In bud almost flowering August 21st.
In flower in reserve Aug 27th. Many stalks with 3 buds on flowers.
Sept 9th Many beautiful specimens with very long dorsal sepals. Must be good year.

1967 Aug 27th Flowering in A.P.M reserve. Stalks with 2 flowers ~~and~~ but all only in bud.
Sept 17 Flowering in A.P.M. reserve.
Oct 2 Still flowering in bush behind us Mr Rotherum found a plant with a stem bract which is most unusual.

1968 Aug 24th Almost out along roadside opp Cormandale Reserve. (Byer Rd.)
Scape: 11 cm not including filiform dorsal sepal.
Dorsal Sepal: 4 cm long widening to 1.5mm and then to fine point within 1 cm. Fine filiform point continues for next 3 cm.
Lateral Petals: 5 mm. about .5 mm wide drooping downwards and under to form semicircle Sometimes just bending out straight down.
Lateral Sepals: 2 cm long tapering to very fine filiform point. Diverging at tips.
Labellum: .5 cm long 2 mm wide at base with wings 1 mm high. Wings extend for 2 mm. Then labellum gradually tapers to a fine point. A raised ridge down centre of labellum.
Column - 2.5 mm high. hooded at tip
The whole flower is dark maroon. The tip of the column is the only other color.
Ovary: Almost 1 cm - ridged with green blended with maroon.

Two flowers on this specimen. Top flower has stalk of 1 cm. Tiny bract at base of ovary 1 mm long & very fine. On bottom flower the bract is 3.5 mm long and completely stem clasping, tapers to very fine point.

Stalk: Pale maroon almost transparent, appears to have ridges or corners.

leaf Heart shaped 3 cm long 2.5 cm wide Stalk 1 cm from back and lobes of leaf overlapping behind stem. Leaf red underneath and ~~up~~ a little above ground. Very dark green on top.

Sept 17th Flowering in Shingle Ck Reserve.
Oct 6th " T'gon Sth Reserve.
" " in " "
1969 Sept 11th " at Wilson's Prom. - Foleyr Rd.
Nov 8th " " "
1970 Aug 9th " in A.P.M. Reserve.
Sept 13th " " " "
1971 Aug 15th " " " "
Oct 10th " " " "
Nov 12th " at Reid's Corner.
1973 Aug 4th Almost flowering at T'gon Sth.
~~1992~~ 2003 Oct 25. Flowering on Anzac Rd & Big Tower Rd. Mullungdung.
2003 Nov 1 Flowering in Edward Hunter Reserve

# Acianthus Exsertus.

1966 Flowering Clarkes Road April 25th.
Beautiful stand at Tennis Court Traralgon South many seed pods July 3rd. Most plants have leafbracts.
Plants at Marlo - green only color yellow sticky tip & pollen boxes on column. Back of leaf almost white
1967 May 29th. Plants flowering in Tyers reserve but only short stalks. Leaves on Clark's road & Cochrane's lane. Late flowering probably due to very dry Autumn.
June 4th Flowering in bush behind home
Aug. 13th Still flowering in bush opp. O. Hacle's.
Sept 14th In seed near Ridgeview Stud.
1968 April 25th Flowering along Cochrane's lane:
Particularly fine specimens along edge of pines near Fishii.
June 1st lovely dark specimens near Chester Park.
Scape: 16 cm high. 8 flowers. Big specimens.
Dorsal Sepal: 1 cm long 3 mm wide at broadest. Tapering & then abruptly finishing in fine point about 1.5 mm long. Almost transparent with dark maroon lines from tip to base. Hooded bending about middle but not to right angle. About 1.5 mm at base. Point dark maroon.
Lateral Petals: .5 cm long. Turning right back so as to cross over each other behind the dorsal sepal. Transparent with maroon Δ from base to halfway. Tapering gradually to fine transparent point 1.5 mm wide
Lateral Sepals: 1 cm long. 1 mm wide with one maroon line fairly heavy & towards outside of sepals. About half way down, sepal tapers into long

point (about as wide as maroon line). These points curve outwards from labellum giving effect of legs.

Labellum: 4 mm wide at widest part & 6 mm long.
Almost heart-shaped hollow raised ridge - edges recurved, also pointed
Color - greyish maroon - much denser than rest of flower.

Column: 5 mm high bending forward at about middle.
Looks like bubble on a stalk
Pollinea must come away on insect as we observe a pollinea on one of the lateral sepals

Stalk: Very dark maroon.

Leaf bracts: One very small bract 4 mm long at the stalk of each flower, (under flower).

Flower stalk: 2 mm long.

Ovary: 5 mm dark maroon & ribbed.

Leaf: 4 cm heart-shaped with stalk from inside leaf flower stalk.

In this specimen leaf was 2 cm above the ground on the stalk. Dark green. Maroon underneath

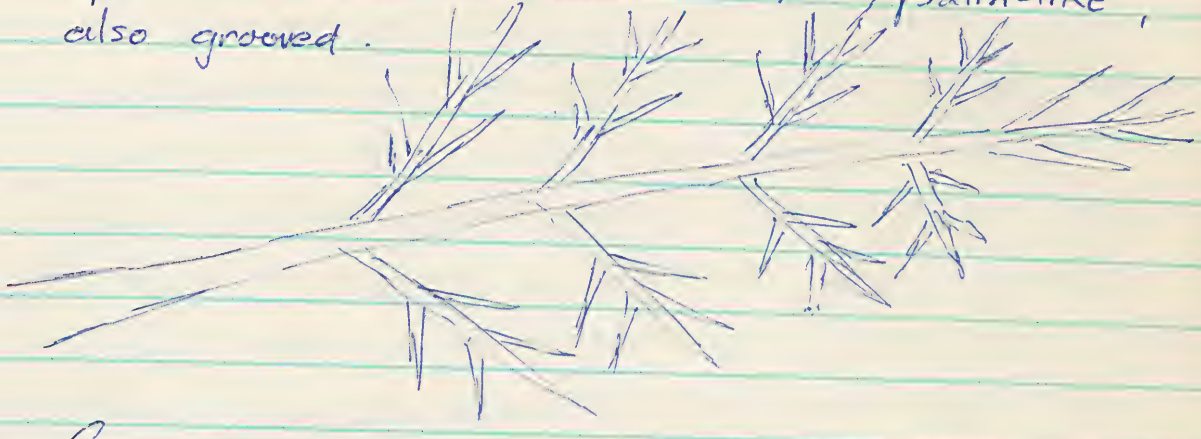
June 9th Still flowering at Rosedale & near Fishi
June 16th A beautiful mass of flowers at base of tree near tennis court.
July 7th. Flowering in pine plantation, leaves very big in pine plantation.
21st Still flowering in pine plantation.
1969 Apr 13th Flowering A.P.M. reserve. Very short stemmed variety.
Apr 28th Flowering under pines - Cochrane's Rd..
May 10th " Lime-pit Rd. Rosedale.
July 20th " at Glengarry North.

1990 May 25th Flowering near Ciormandale reserve.
Aug 23rd " at Holey Hill Trig Pt.
Oct 11th In seed at Heyfield.
1991 June 6th Flowering at Rosedale - also found plants flowering a month ago here too.
Aug 8th Flowering at Whitelaw's Track. T.S.
15th " " APM Reserve.
22nd " in Lakes National Park - Loch Sport.
1993 May 13th " at Rosedale.
July 1st " " "
Aug 4th " " T'gon Sth Reserve
April 21st " on Whitelaw's Track.
1995 Aug 30th " at Mullundung.
1998 May 7th Beautiful flowers in Holey Plains S.P.
1985 Apr 27th Flowering in T. South W.ldflower Sanctuary
1989 May 11th Very good year for this orchid. Up to 12 flowers on stalk at Boodyarn
1990/1 Oct 12 Mr Heddrick
1995 Oct 25 " "
2004 Aug 27th Flowering in Newborough bush
2011 Sept 25th " opp. O. Lades in roadside reserve at Traralgon South. Ralph said scape is striped & not continuous red. Flora of Victoria says Acianthus pusillus Small Mosquito Orchid grows in our area & A exertus is more easterly.

In Jones' book A. pusillus dorsal sepal is almost nodding with dorsal sepal almost at right angles to the main stem. Flowers closer together & whole plant smaller inc. leaf. Labellum much shorter in comparison to width - almost the same.

# Aciphylla glacialis — Alpine Celery

1971 Jan 31. Flowering on Mt Hevitt Hike, though plants with mature seeds were found around camp. Leaves all basal with jointed, grooved widening stem similar in shape to Celery but leaves most of the way down except for final 2" or so. Leaves at each joint opposite + divided to mid-rib, palm-like, also grooved.



Flowers on stout robust stalks. Male + female on different plants. Stalks conspicuously ribbed

1974 Dec 7th Flowering at Tamboritha – Bennison Plains. Only found one plant flowering.

1974 Jan 29th Plant growing at Buckely Plains

1992 Jan 26th Flowering on Bogong High Plains near Mt McKay where cattle have been excluded for some time. Also in exclusion areas that are fenced off

1995 Jan 15th Darge weekend.

1996 Jan 20th Growing on Paw Paw Plain + Mt Loch Track Mt Hotham Weekend.

Aciphylla simplicifolia Mountain aciphylla.

1989 Jan 14th Flowering at Wulgulmerang. Found both male & female plants. Male flowers very lacy. Leaves linear & blunt and undivided; much more lax than alpine celery and plants smaller in all ways.

1990 Jan 6th Flowering on plains on way to Dickson's falls.

Acmena. smithii — lilly-pilly

1970 Nov 23 Plants growing in Lilly-Pilly Gully
1972 July 22 " " " Fairy Dell.
1993 Jan 31 " " " Errinundra N.P.

Acrotriche patula affinis.

1969 Sept 4th Flowering at Wilson's Prom. Was also flowering on our last visit 16th August 1969. These flowers have a decidedly different taste from either of the local varieties. The leaves are broader than honeypots but about the same size as trailing groundberry. They are pungent pointed & very finely toothed. There are about 9 veins visible on back of leaves. The flowers are similar to honeypots with a ring of hairs at the constriction. The flowers can occur on the branches or the ground but are more common about halfway up the erect branches, in clusters, green to white & transparent. Can see level of honey present. Specimen has been sent to Herbarium for identification as Miss Galbraith does not know of it being recorded in Victoria & is not therefore positive of identification.
Max found this plant on our first visit to the Prom.
Identified by Mr Willis. Recorded first by Baron Von Mueller 1853 May. Mr Willis also found it where Max did but kept specimen at Herbarium.

1972 Aug 28th Plant growing in the Little Desert.
leaves glabrous - 3-7 veins & blooms amongst the leaves. Only fruit on specimen.

leucocarpa.

Acrotriche (divaricata) Tall Acrotriche

1989 Sept 16th Plant growing right on top of Mt Elizabeth but not in flower although in bud. Plant at least 3ft high with sharp pointed pungent leaves.

1990 Jan 28th Plant growing along road from Wulgulmerang to Benambra. At this time of year plant is in fruit with lovely little white berries. This plant has been separated from A. divaricata by the fact that the underneath side of the leaves are white & the fruit is white also; while A. divaricata has green underside of leaves and red fruit. Description & naming in Muelleria Vol. 7. No. 2 Mch 1990. A. divaricata apparently occurs from Newcastle through Blue Mtns to Campbelltown while A. leucocarpa occurs in southern N.S.W and Victoria. Key to 3 species.

1990 Jan 23rd Recorded on Cielantipy weekend.

Acrotriche Prostrata — Trailing Ground Berry.

7 April 8th Flowering in bush at back of house. Flowers very close to ground, some even under dead leaves etc. Flowers very similar to honey pots but ~~perhaps~~ a little bigger; not sweet to taste and very strong flavour. Plant very prostrate, leaves ⅛" wide + up to ½" long, very pointed, triangular shaped broadest at base, alternate.

April 25th Flowers actually form on roots. Flowers are above ground but root is not visible. Where flowers are on stem with leaves at top the flower is still at ground level. Something must find flowers very palatable as only flowers I could find were under bark or dead leaves, even many buds were eaten off. Plant very straggly.

Bud is like bottle with top on it.

Tips of petals hairy, 5 petals more greenish than bulbous part. 5 bright orange stamens. Up to 9 flowers in a bunch. Each flower sits in a cup-like calyx. Bulbous part more opaque than honey pots as it is not possible to see level of nectar. Flower very constricted before petals spread.

Stem of plant very hairy, leaves with very short stem, + long point at apex, though not prickly, just stiff. Upright stems about 3-4 ins. Flowers 12-13 mm. leaves 10mm.

| | | | |
|---|---|---|---|
| 1968 | June 22nd | Plants found | on pine plantation. |
| 1971 | Nov 12th | " | in Reid's Corner, APM v Clarke's Rd. |
| 1994 | Nov 26. | " | in APM. block Sth Cipp Hway |
| | Rd. | " | Dawson R'way Reserve. |
| 1996 | Dec 1st | " | Tralalgon Sth Road reserve near |
| | | | Callignee Sth turnoff - Downies Lane. |
| 2001 | Dec 1 | " | Sandy Creek Bush Block Newborough. |
| 2004 | Apr 3 | " | Colley's Rd Block |
| 2006 | Nov 4 | " | Springsure area. |

~~Act~~ Acrotriche serrulata. Honey-pots

Aug 8th 1966 Flowering at school
Sept 17th " Seed pods found on plants along Racecourse Rd, Rosedale. Seed pods are clustered close together, each round pod had an anther stem protuding from its centre.
July 27th 1967 Flowering in T'gon Sth Reserve
28th " " at Darlamurla neither area flowers ~~ver~~ plentiful.
Aug 13th " Flowering along Callignee Sth Road - many flowers on some bushes but none on others.
1968 July 21st Lots of buds on plants in T'gon Sth Reserve but no flowers.
Aug 24th Some flowers at Chester Park but many buds have just withered
Sept 3rd In flower at Stoney Ck near gravel pits. Max also found flowers in full bloom locally.
Sept 15th Flowering in Cormandale Reserve lovely full blooms.
Oct 6th Flowering T'gon Sth Reserve
1969 Feb 16th In seed at Rosedale.
Aug 24th Flowering at Glengarry North also at Granite Rock on 29th.
Oct 12th Plants with seeds in Warragal area.
1970 Sept 13th Plants with some flowers in NPM reserve.
1971 Aug 8th Flowering at Whitelaw's Track. T.S
" " NPM Reserve.
Aug 30th Plants in Grampians had more flowers up the stems and flavour was much stronger. Flowering near McKenzies Falls
Sept 19th Plants flowering in T'gon Sth. Reserve.
1972 Aug 30th " " Mullundung.

1979 ~~Sept~~ 10th Recorded with Dr. Parsons for X with fruit.
1994 Oct 30 " in Dawson Water Reserve
~~1995~~ ~~Oct 28~~ " " " R'way "
1995 Oct 28th " on Wanthagg Heathlands
1995 Oct 25th Mt Heddrick - ~~flowering~~.
1990/1 Oct 12 "
2000 Dec 3 Sweetwater Creek Reserve.
2001 Dec 1 Sandy Creek Bush Block Newborough

# Adiantum aethiopicum Maiden hair fern.

| | | |
|---|---|---|
| 1966 | Sept 9th. | Jeeralang Road. |
| 1968 | June 22nd | Under pines, Clarke's Rd. |
| | Sept 17th | Opp. O. Lades. |
| | Oct 13th | Cowwarr |
| 1980 | Mch 7th | Warrabah Bay. |
| 1966 | June | Ramrod Creek - very large indented leaves Buchan. |
| 1980 | Aug | Reserve Darlamurla. |
| | Sept 26 | Near Chessum Road Longford. |
| | Oct. | In new Reserve, Rosedale. |
| 1972 | July 9. | Billy Goat Bend. |
| | 22. | Fairy Dell. |
| 1993 | Jan 31 | Erinundra |
| | Feb. 13 | Tanjil River near Dam Wall. |
| 1994 | Oct 28th | Traralgon Sth. Reserve. |
| | Oct 30th | Dawson Water Reserve |
| 1995 | Apr 12 | Drouin " " |
| 1990/1 | Oct 12th | Mt Heddrick |
| 2001 | Dec 1 | Newborough Bush Sandy Creek |
| 2002 | Nov 23rd | Holey Plains State Park. |

Adiantum formosum – Black-stemmed Maiden-hair

1961 June 20th Road to Bombarla.

Adriana quadripartita.
klotzschii

1969 Sept 4th Flowering along road out at Wilson's Prom. Plant with large basal leaves + tall spike of flowers buds.

1980 Mch. 29. Plant not flowering on Nth Beach Point Smyth -

tomentosa var tomentosa.

Adriana Cilabrata

1967 June 19th Large shrub or small tree looking like a pomaderris but with much larger leaves. No flowers or seed pods present. Variety we found must have been a luxuriant one as sizes are bigger than those given in Beadle. Leaves 19 - 20 cm long and 15 cm wide, irregularly toothed, alternate, dark green above cream woolly below, veins very prominent on back of leaf. Stems covered with dense brown hairs, buds also covered with same dense brown hairs.
Shrub found on Pambula – Bombala Road.

1991 Jan 28 Recorded on Betts Track during Gelantipy weekend.

Agrostis capillaris Brown-Top Bent

2001 + 2002 Nov 14th Growing in Railway Reservoir Reserve, Tigon

*

*Aira caryophyllea.* Silvery Hair-grass

1990 Nov. 19th Flowering along walking track at home. Have decided on this species because of its size in Willis. Unfortunately we do not have a description of *A. cupaniana* which Cliff records as almost as common in this area as the above. In Burbidge there is a drawing of each of above species but it is difficult with specific measurements. In one drawing of *A. caryophyllea* it shows the relationship of "stem" to glume different from another drawing. Size of lemma & glume are app. right from Willis but then we don't have such figures for other species. "Plants of Western N.S.W." states spikelets of *A. cupaniana* are 1.5 - 2.5 mm, does this include awn? (All very difficult)

1994 Nov 26th. Flowering in APM block on Sth Cypp. Hway

Nov 1. " in Casuarina Reserve Fulham

1996 Nov 7th " " Gifford Rifle Range.

Aira cupaniana Hair. - Grass

1994 Nov 1. Flowering in Casuarina Reserve Fulham.

* elegantissima
Aira (elegans). Delicate hairgrass.

1994 Nov 1. Flowering in Casuarina Reserve at Fulham.
Described in my grasses book
Oct 30 Flowering in Dawson Water Reserve.
1995 Dec 16 " on Railway line Reserve, T'gon
1996 Jan 15 " " " " " T'gon
2001 Nov 3 " " Bush Block Newborough
Dec 1 " " " " " Sandy Creek.
2003 June Name change in 1st ed. of Census.

# Ajuga australis (Bugle)

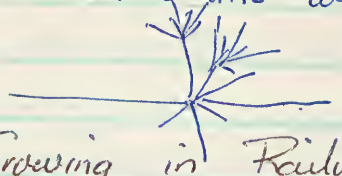
1968 Oct 13th Flowering at Flynn
" 27th Still " " "
1969 Oct 4 " " Burgoin's Gap.
1970 Jan 24th " " Mulgulmerang.
1969 Nov 2nd " " Briagalong.
1970 Jan 2nd " " Tamboritha Saddle
Nov 25 " " Briagalong.
1971 Jan 30 " " Howitt Springs
1993 Jan 30 " " Errinundra N.P.
Feb. 13 " " Tanjil River near Dam Wall.
1994 Nov 1 " " Casuarina Reserve Fulham
1995 Jan 15 " on Dargo weekend.
1990/1 Oct 12 " " Mr Heldrick
1996 Jan 20 " " Paw Paw Plain - very robust specimen ± 1ft high.
1997 Jan 18th " " Mt. Nugong & Livingstone Ck near Omeo
1999 Jan 23rd Recorded on both Gelantipy weekends 1997 & '99.

Alisma plantago-aquatica Water Plantain

1987 Feb. 3rd Flowering in dam on land next to Woorabinda School block.. Plant described in Helen Aston's book page 177.

large erect leaves on long stems

Flower stalks much divided three long stalks and 3 short stalks with 6 divisions again short long



flowers with 3 round petals.

1996 Dec 4th Growing in Railway Reservoir Conservation Reserve T'goon
1999 Oct 16th " " Benlac Wetland · Darnum
2000 Apr 11th " " Heyfield "
2002 " 27th " " "

2002 Oct 2 Had letter from Ian Clarke, at Herbarium, to say he could not positively identify specimen sent as distribution record beyond Genus level. He says key characteristics used to distinguish A. plantago-aquatica from introduced A. lanceolata lie in the shape of leaves & in flowers.

2003 Mch · Recorded in Eel Hole Ck/Cemetery Conservation Reserve Management Plan

2005 Mch 3 Flowering in Railway Reservoir Conservation Res. T'goon

Allocasuarina
(Casuarina) littoralis

1973 Mch 11 Plant growing at Willung South.
Identified by Cliff Beauglehole.
1975 Aug 30th Flowering at Mullumdung.
1989 May 11th " at Boodyarn.
1994 Nov 26th Plants in APM block on Mt Gipps See next page
Oct. " recorded in Dawson River Reserve.
1990/1 Oct 12 " " Mt Heddrick
1995 Oct 25 " " "
Dec 19 " " Railway Line Reserve, Tigon

Allocasuarina littoralis

Casuarina (Suberosa) littoralis (Black Sheoke)

1967 April 2nd Flowering along Clarke's Rd.
Both flowers on same tree. male flowers on end of branches. Cones cylindrical 1" long

1969 Aug 3rd Flowering at Willung South

1978 May 7th " in Holey Plains S.P.

1995 Oct 28th Growing on Wanthaggi Heathlands

2004 Apr 3 " " Colley's Rd. Block

allocasuarina
(Casuarina) muelleriana Slaty She-oak.

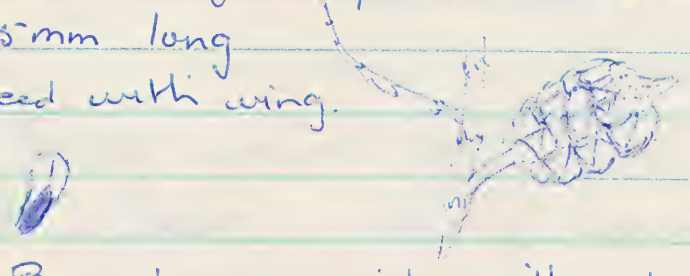
1972 Aug 28th Flowering in Little Desert.

(Casuarina) nana..

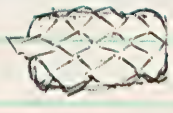
1972 Aug 28th Flowering in Little Desert.

Allocasuarina
(Casuarina) paludosa. Scrub She-oak.
~~Astrotoma~~ ~~baeckii~~ ~~Flame Heath~~

1971 Sept 1st Flowering all through the Grampians. Plants vary from 2ft high to 5ft high. Female flowers red with long protruding styles. Male flowers rusty colour and about 14mm but up to 2cm long. leaf-teeth in whorls of 6. Branchlets about 1mm wide and internodes about 5mm long. Cones 16mm long and 12mm wide ending in a short triangular point. Cones on stem about 5mm long Branchlets tend to be slightly curved upwards instead of straight. Seed with wing.



Branches greyish with leaf-teeth still visible even though dried.

1971 May 14 Plants growing in Mullungdung Forest. No. of teeth is seven with no hairs. Main grooves in branchlets ∪, smaller ribs with some hairs. Trunks with very blunt ends  about 1.5cm long.

Plants only about 3ft high.

1994 May 1 Growing in Custen property near Darlamurla.
1994 Nov 26 " " DPM block on Sth Gipp. Hwy.
1995 Oct 28 " " Wonthaggi Heathlands
2006 Nov 4 " " Springsure area.

Astroloma behrii Flame Heath

Allocasuarina pusilla

(Casuarina) (Distyla) now Pusilla. (Shrubby)

1967 June 17th Found very short bushes at Marlo about 2 ft while bushes at King H'way were about 6 ft high. About 20 sections in leaves. Cones cylindrical about 2 cm long + about 12 mm wide, smooth, pretty design. Male flowers brown about 1.5 cm long not hanging

1969 May 24th Flowering at Cape Paterson,

Sept 27th " Gellibrand

1970 Mch 7th " on heathlands near Walkerville.

~~Has~~ Female flowers red, didn't notice any male flowers. lots of cones. Some bushes had bluish grey leaves, others dark green. Both had 8 teeth on leaves

Mch 15th Plants along road coming home as high as 8 ft but still with small red flowers, small nuts + 8 teeth to leaf. These plants were very greyish but quite old I would think.

Apr 25th Flowering along road to Venus Bay. Male flowers very conspicuous but only few female flowers.

Sept 5th Flowering in new area at Rosedale.

1972 Aug 27th " at Mt Arapiles

Allocasuarina verticillata

(Casuarina) Stricta) (Drooping Sheoke)

1966 June 27th (Approx) Flowering along road to Shelley Beach at Lakes Entrance. Male trees have long yellow flowers. Female trees little red flowers cones about .2" long.

1967 April 2nd Flowering along Clark's Rd. Particularly female flowers.

1972 Aug 28th Plants flowering in the Little Desert and in the Mt Zero area. Branches ribbed 9 teeth Cone sessile. Male & Female flowers on different trees.

1994 Nov 1. Plants in Casuarina Reserve Fulham

Almaleea subumbellata.

(Pultenaea) (sub-umbellatum

1970 Jan 25th Flowering on the Cobberas.
Only place in Victoria where this plant grows.
Leaves small app. 2mm much closer to
stem than P. subspicata. Flower heads with
leaves amongst flowers. I imagine a shorter
shrub too.
Identification by Mr. K. Rogers.

Alternanthera denticulata  lesser Joyweed.

1990 Apr. 2  Plant in seed along river below the Ridge Homestead Rosedale. Leaves opposite. Flowers in dense axillary clusters right around the stalk. Stalk jointed so that it appears to veer to the ~~right~~ same side at each joint, though not very much. Stalk ribbed, dark reddish brown. Leaves small, lanceolate app. 3 cm.

1990 Apr 3. Dad found same plant on our flats
1998 Apr 5. Plant growing on edge of Lake Narracan near the Water Skiing area.
2000 Apr 11th  Plants growing at Heyfield Wetland.
2003 Apr 4th  " " " Traralgon Railway Reservoir Reserve.

# Amperea Xiphoclada (Broom Spurge)

1966 Oct 16th Flowering along Cormandale Rd. This specimen was a real bushy plant.

1967 June 10th Flowering ~~at~~ in bush at back of Home.
Aug 14th In bud up in bush - " "
Some of the specimens have many leaves on them while others nearby have hardly any.

Oct 1st Flowering near bush paddock.

1968 Sept 22nd " in APM. Bush. Many flowers.
Oct 20th " Seminis Track.
27th " Call 5th Road.

1969 Feb 16th " Rosedale
May 10th " "
Sept 4th " Wilson's Prom.
13th " Longford.
Oct 12th " Tynong North.

1970 Aug 29th " at Darlamurla.
Sept 14th " " Dutson Down Road
Oct 1 " New Rosedale Reserve
Nov 23 " at Lilly Pilly Gully.

1971 Oct 10th " in APM. reserve.
21st " at Reidi Rd. Corner
Nov 13th " " " "

1973 Aug 11th " " Boola Boola.
April 21st " on Whitelaw's Track.
Aug 25th " at Boola Boola.

1975 " 30th " " Mullundung.

1993 Jan 30 Plant growing in Errinundra N.P.

1994 Nov 26 " " " APM Block Stradbroke on Sth Gipp Hwy.
Oct 28 " " " T'gon Sth. Reserve.

1995 Oct 28 " " " Wonthaggi Heathlands

2004 Aug 27 " " " Newborough bush

| | | |
|---|---|---|
| 2004 | Dec 1. | Growing in Sandy Creek Bush Block, Newborough. |
| 2004 | Apr 3 | " " Colley's Rd. Block |
| 2006 | Sept 30 | " " Seneni's Track |
| | Nov 4 | " " Springsure area. |

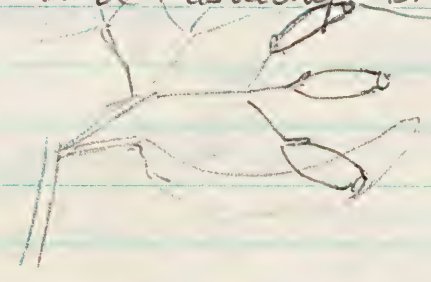
*Amphibromus fluitans* Creeping Swamp Wallaby-Grass

2004 Dec 1 Flowering in Sandy Creek Bush Block Newborough

# Amyema miquelii

1972 Aug 30 Plant growing near Mt Zero.

1951 Aug 25 Plants growing in Seaton/Heyfield area. Flowers mostly in 3 I think but many fruits had dropped off leaving just 2. Fruits more elongated than *A. pendula* and centre of three with same length stalk as outside two. leaves shorter than pendula and in this area all growing on Red Box trees. Styles very long about 1¼". leaves opposite. Fruits from leaf bases and usually branching into 3 or 4 groups



1982 April 2nd Plants flowering along Fitzgibbon's Road almost to Rintoul's Creek. Buds 3.5 cm long. Flowers deep red, petals free to base, stamens & stigma same length if including the filament. and the erect anther. Stems bronze green and shining, other branches dark, intermediate red. leaves oppp. ~~8~~ cm including 2½ cm stem (longest leaf) tapering to point, main 3 veins parallel. Shortest leaves, except young leaves, 15 cm long. all shape. Flowers axillary from leaf bases, leaves opposite.

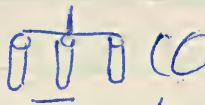
1986 Aug. Girls working on C.E.P. reported this plant on Humphrey Rd. off Tgon/Maffra Rd. Turn a bend well up the road.

1994 Oct 30 Plants growing in Dawson Water Reserve.

Nov 9th Licola weekend.

1996 · Dec 7th Old Melb. Road, Morwell near Latrobe Road.

# Amyema Pendula (Drooping)

1967 Sept 23rd Flowering in Blackwarry Bush.
Nov 24th " " in Orchard.
Flowers in straight line all down and centre one not stalked  (One main nerved leaves)

1969 Dec 15th Flowering along Jeeralang Rd.
1970 Sept 13th " in APM Reserve
1972 July 29th " on Seaton Road & at Glenmaggie. Also in seed.
1973 July 27th Flowering on our track
1973 Aug 18th " at Cowwarr also saw pupa of Imperial White Butterfly.
Aug 25th Flowering on Acacia decalbata.

1983 April 2nd Plants in bud on Fitzgibbon's Road almost to Rintoul's Creek. Buds not very well developed and mostly in fours with 3 stalked flowers & one sessile. 2 side veins parallel but not as prominent. Leaves opposite, flowers from leaf bases. Flower stalks & branches brown dull finely hairy.

1983 July 16th Plants in full flower at Cowwarr reserve on north side of river. Growing on Blackwoods, Black Wattle, deciduous trees, and eucalypts. All flowers we could reach had 4 flowers in clusters with centre one sessile. Leaves very green, plants big, long, drooping but with very little brown

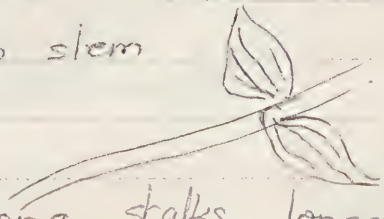
pigmentation or hairs. Another unusual feature was that the branches did not seem to be dead past the plant but this could have been due to the fact that the mistletoe plant & the acacias had many branches in that area & the ones on the deciduous trees were small plants. The plants just looked so much healthier than usual and very big and active as many trees had a very heavy infestation, leaves almost but not exactly opposite. Flowers auxiliary.

1984 Jan 13th Flowering on Lucerne Tree in orchard.
1993 Jan 31st Plants growing & I think flowering in Erriundra N.P.
1994 Aug 10th Flowering on eucalypts along our track (E. radiata)
1994 Nov 26th " " APM block at Stradbroke on Sth Gipp Hway
1994 Nov 1 " " Tgon Sth. Reserve.
1995 Apr 12 Growing in Drain in Water Reserve.
1994 Nov 9th Nicola weekend
1990/1 Oct 12 Mt Heddrick.
1997 Nov 9th Flowering and with fruits - growing in Knob Reserve at Stratford. Growing on Allocasuarinas.
2000 Dec 3 " Growing in Sweetwater Creek Reserve.
2001 Aug 27 " " Newborough bush
Dec 1 " " " " Sandy Creek

*

Anagallis arvensis Scarlet Pimpernel

1991 March 11th. Plants still in bud in garden. Also flowering on Andrea Lindsay's block on 27-2-91.
Glaborous procumbent annual. Stems quadrangular.
All books say leaves opposite. This was true for bottom 2 pairs of leaves on our specimen but the rest (5 ~~pairsets~~) were all threes.
This was a very robust plant well watered in the garden. Leaves sessile with broad attachment to stem



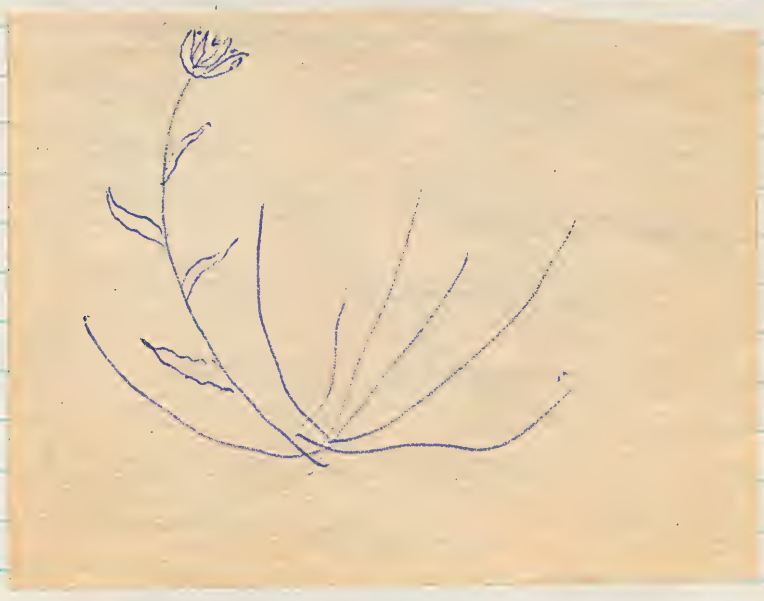
Flowers on long stalks longer than the leaves.
Flowers can be red or blue as the blue one is now var. caerulea & the red var arvensis.
Capsule globular with persistant style. Calyx lobes split right to base & ½ length of capsule.
Think uppermost leaves are again going to be in opposite pairs.
Flowers singly or in pairs from each pair or 3 leaves.
Black says capsule as long as calyx, this is so in immature capsules on our specimen but lower capsules bigger than calyx. Is it a variable plant or is it because it is in garden?

1993 Jan 30. Flowering in Errinundra N.P.
1994 Nov 26 " " APM block at Stradbroke on 5th Cipp. Hwy.
Nov 1 " " Casuarina Reserve Fulham
Oct 30 " " Dawson Water Reserve.
" " " " R'way "
1995 " 28 " " Wonthaggi Heathlands.
Dec 19 " " Railway line Reserve Tigon

| | | |
|---|---|---|
| 1994 | Jan. 25th | Recorded on Cedartopsy weekend. |
| 2000 | Apr 11th | " " Heyfield Wetland |
| 2001 | Nov 3 | " " Bush Blocks Newborough |
| | Dec 1 | " " " " " Sandy Creek. |

Hyginanthus preissianus — Salt Hyginanthus

Ellen describes it as a low branched alternate leafed plant with bracts around a composite head. An annual 1-5 cm. Grows around the coast



Anisopogon avenaceous Oat Spear Grass

1970 Oct. With head on in New Reserve Rosedale

Anthoxanthum odoratum Sweet Vernal Grass

1992 Oct 26th Growing along our lane. Very common grass around here.

1994 Oct 28 Flowering in Tigon Sth. Reserve

Nov 1 " " Casuarina Reserve Fulham

Oct. " " Dawson R'way Reserve.

1995 Dec 19 " " Railway Line Reserve Tigon

2001 Nov 3 " " Bush Block Newbarrough

Dec 1 " " " " Sandy Creek

Dec 5 " " Railway ~~Reservoir~~ Reserve, Traralgon.

# Lotus (Villosa) ericoides

1966 Aug 27th. Flowering Sunday Rd. Like a parrot pea but leaves are recurved until almost cylindrical

1968 Sept 28th Flowering at Dalsun Downs. Flowers at leaf bases at ends of branches giving clustered effect. Mostly yellow with red in centre. Leaves curled under to give deep channel on underside. Branches greyish. Buds hairy. Flowers stalked Stamens free.

1969 Sept 13th Flowering at Longford.

1970 May 25th One flower found but many plants at Little Tower. Willung. Plants much smaller, leaves smaller, flowers smaller and much more red.

~~Sept~~ Sept. 14th Flowering beautifully at Dalsun Downs Road.

Nov 23rd Flowering at Lily Filly Gully.

1982 Sept 5th Recorded with Dr. Parsons for Longford/Dalsun Rd. opp^x on Vales Rd. X10.

1995 Oct 28th Flowering on Wonthaggi Heathlands

2005 Oct 29th John Topp brought 2 specimens, one from Longford & one from near Newry. The Longford specimen was as described above with the two top calyx lobes joined part of the way, leaves alternate, flowers yellow. The Newry specimen looked quite different with almost orange flowers. Some of the leaves, especially where the flowers were, in whirls. The hairs on branches appear sparser but longer. Flowers still at leaf-bases but because of the whirled leaves the flowers were more conspicuously all around the stem. These 'rings' of flowers were also separated down the stem. This gave the specimen a more open look than the close

flowers of the Longford specimen. Leaves were more recurved than revolute on Newry specimen. All other features appear to be similar. The Flora of Victoria says leaves can be opposite, alternate or whirled.

# Apalochlamys spectabilis

## Cassinia Spectabilis (Showy C.)

1967 April 1st In seed at Loch Sport Marsh. Soft large leaves, dark above, white woolly below, with big flower heads.

1970 Mch 9th Flowering on sand dunes at Sandy Point (Walkerville). Plants about 3ft high, quite bushy. Flowers golden brown in big heads, leaves as above., plant has greyish appearance. Dead plants have very silvery appearance + are quite attractive. This plant is a biennial hence number of dead plants.

1980 Mch. 29th Plants in seed and dried at entrance to Pt. Smyth Reserve. Plants had golden appearance. Mrs. Brewster said the aroma comes when plants are burnt.

1979 Sept 10th Recorded with Dr. Parsons for X.

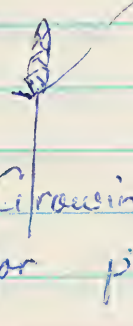
*

Aphanes arvensis Parsley Piert.

1990 Nov. 14th Flowering in Andrea Lindsay's block in the blackberry project in the quadrats. Wilds p. 209. also illustrated in English Wildflower book p. 106 No. 8. leaves in three deep lobes & then three shallow rounded lobes. leaves palmate. Flowers tiny in close head. Fruit flat with thickened margins & more mature fruit are the more spotted or pitted they are. Rather weak sprawling plant.

# Aphelia Pumilio

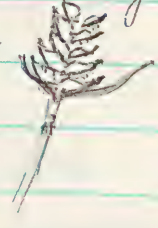
1970 Oct 25th Found at Cowwarr. A very small plant only about 2" high with grass-like leaves less than 1" long and flowers about 6 mm high & wide flat pyramid shape with about 6 bracts and on some one longer greener bract. Whether they were old & the bracts disciduous or if they had not developed we don't know but not many heads had the longer bract. Stem to head about 1" long. Bracts quite pointed. Tried to grow plant.



1979 Oct Growing at Giffard on land cleared for pines. Identified by N. Scarlett.

1983 Oct 26. Growing in Flynn's Ck Upper Schoolyard.

1992 Nov 10th Growing along Longford Road flowers are much more open than above; appear inflated with bract being support. White bladder-like part is very softly hairy. Also bracts hairy with stiffer hairs mainly on keel.

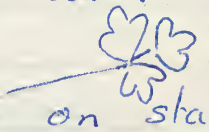


Bladder-like part is actually part of the bracts making a sheaths for the flowers. Black says male flowers are in sheaths of lower larger ~~sh~~ bracts. I can't see them just with eye glass or even with microscope.

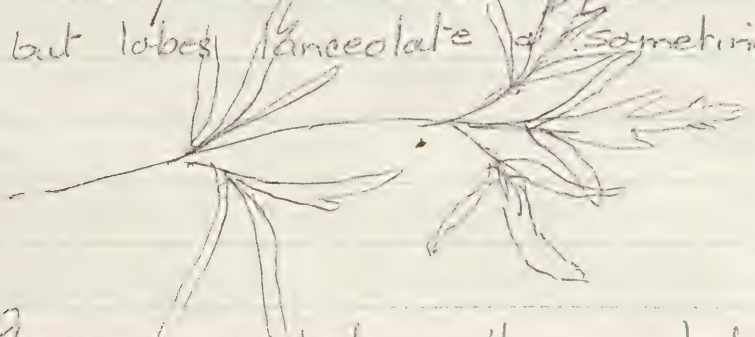
# Apium prostratum — Sea Celery.

1971 Aug 22 Plant growing in salt marsh in Lakes National Park near Loch Spark.
Mr Willis identified plant - gets its name from flavour of leaves which have a pleasant taste something like Celery.
Leaves are large & wide about 1½" x 1" and of a fleshy texture.

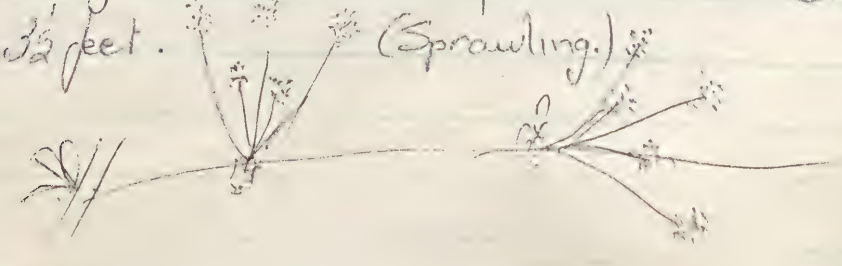
1978 April. Creeper on coast at Wreck Beach.
Leaves divided into 3 lobes. Flowers tiny in ~~u~~mbels. umbels. on long stalks. Flowering.

1980 Mch 29th Flowering in Pt. Smythe reserve.
Creeper with three leaflets each with 3 deep lobes.  Bright green, shiny leaves.
Flowers on stalks & then each individual flower stalked again. Lower leaves can have two extra segments below 3 top leaflets - both opp. & on stalks.

1991 Feb. 23rd Flowering on ~~Sat.~~ edge of Lake Coleman in marshy area. Leaves this time still 3 lobed but lobes lanceolate & sometimes again lobed.



Flowers in umbels with one leaf & flower clusters opposite. Clusters many branched with up to opp. 12 flowers on each peduncle (long) then short pedicles forming circular umbel. App. 4 peduncles from a central point. Branch we had was opp. ½ feet. (Sprawling.)



1993 Feb 26th Flowering in salt marsh on Red Bluff beach near Wilson's Prom.

1994 Feb 25th Flowering in salt marsh area near lake Reeve. This specimen appears to be A. prostratum var prostratum according to Flora of N.S.W Vol 3 P 110.

1996 Nov 23rd Old Port Trail, Noora munga Coastal Reserve.

Arctotheca calendula. Cape-weed

1994 Oct. Recorded in Dawson River Reserve

1995 Dec 19 " " Railway line Reserve T'goon

2001 Nov 3 " " Bush Block Newtonough

Dec 1 " " " " " Sandy Creek.

Argentipallium blandowskianum

(Helichrysium blandowskianum)

1972 Aug 28th This plant was growing in the little Desert and in the Grampians. The leaves have a very whitish appearance because of the long white hairs. leaves appear to grow in groups of about 6 with the flower-stalk growing from centre. Flowerheads appear rather small by the dried pieces left. Stems just as hairy as the leaves. Seems to be a herb, rather than a shrub.

Arrhenantherum elatius False Oat Grass

[illegible] Railway Line Reserve T'goon

Argentipallium obtusifolium

(Helicrysum Obtusifolium) (Blunt)

1967 Sept 16 Flowering along Lime Pit Rd Rosedale

1968 Sept 28th " at Dutson Downs. White with grey foliage.

1969 Sept 4th Flowering at Wilson's Prom.

13th " at Rosedale - different from Baxteri because ray florets are entire not fringed.

Oct 1. Flowering in new reserve, Rosedale

1971 Aug 30th Flowering on Rose's Gap Road in the Grampian. Plant erect single flower stalks not branched. Floral bracts shorter than petals & brown, ray florets entire

Flower Stalks white, leaves narrow about 1.5 cm long with a blunt end. leaves very sparse on stalks. green above + silvery underneath

Oct 10th Flowering at Rosedale

1994 Nov 12th Flowering in APM block at Stradbroke on Sth Gipp. Hway.

Arrhenatherum elatius False Oat Grass

1995 Dec 19 Growing on Railway line Reserve, Tigon

# Arthropodium milleflorum (Pale Vanilla lily)

1968 Mch. 29th Flowering well in garden. This is second flowering season this summer. It was flowering in the late Spring but cannot find record of exact time.

Plant branched or at least flowering stalks branched, pale green branches up to 2ft high only drooping. Flowers pale lilac with ½ filament + stamen bearded. Flowers hang downwards on stalks from branches, petals turn upwards ⅛". leaves straplike tapering to point, up to ½" wide + 1ft long growing like trigger plant. No leaves on flower branches.

1969 Feb 1st Flowering at Tyers. also in Garden.
1990 Jan 25th " " Wild Dog Creek, Wulgulmerang.
1971 Jan 30 " - Howitt Springs - on Mt Howitt Hike.
1992 Jan 25th " " Buckety Plains.
1995 Jan 15th " on Dargo weekend.
1996 Jan 20th " " Mt Hotham weekend.
1991 Jan 28 " " Celantipy weekend.

Arthropodium minus  Small Vanilla lily

1969 Nov 2nd  Flowering at Briagalong.
1970 Jan 1st  " - Tamburetha Saddle.
Jan 25th  " " the Cobberas
1978 Nov 18  Recorded with Dr. Parsons. XII. Lake Coleman.
1993 Jan 31  Errinundra
1994 Oct  Recorded in Dawson Rivey Reserve

Arthropodium strictum

Dichopogon Strictus (Chocolate lily)

1966 Sept 18th Flowering opp. Chester park. Only one flower open on each group.

Oct 30th Flowering in great numbers on Clark's Road.

1967 Oct 22nd " at Clark's Rd.

1968 Oct 13th " at Flynn.

21st " Reid's Corner

Nov 10th " Clark's Rd.

1969 Oct 11th " Cowwarr.

18th " Rosedale.

24th " Reid's Corner.

Nov 12th " at Flynn

1976 Nov 14th " along Broomfields Lane off Traralgon-Cormandale Rd. These specimens had yellow appendages to anthers & all flowers were singly from bracts. Some flower stalks were so long as to give the stem a branched effect. However nearby were plants that looked very different. There was no yellow appendages to anthers mostly flowers were in pairs from bracts & heads of flowers tended to droop. However the only fruits were on the definite D. strictus & were erect on long stems. We will go back & try to get fruit of other specimens. The leaves worried me as they were quite wide - approx 1cm or almost so. Willis says leaves are short & narrow for D. fimbriatus. I am afraid these ~~definite~~ different plants are just a variation of D. strictus but will definitely check further Sent specimens to Dr. Parsons.

1982 Jan. 14th Received letter from Neville Scarlet asking for specimens from Dawson Railway Station site. long letter which ultimately comes to the conclusion that there are three species of Pichopogon in Victoria & that one of them is undescribed. Letters in Dr. Parsons file.

1991 Nov 11th Think this dark stemmed form is growing in the Cormondale/Rosedale Block 213n Crown land.

1993 Nov 21st Collected specimens of plants recorded under Nov 14 1976. Sent voucher specimens to Dr. Parsons and now this form is know as Anthropodium sp. aff strictum Cliff Beauglehole found it too & called it A. sp. aff fimbriatus but A. sp. aff strictum is the name of it in the Census.
Specimens were collected from Henderson's Road Toongabbie where there were plenty of plants.

1994 Oct 30 Recorded in Dawson R'way Reserve. No white plants at this time.

1995 Dec 12 Recorded on Railway Reserve near Traralgon.

2002 Nov 14 " " " Reservoir Reserve " .

Nov 23 " " Holey Plains State Park.

* Asparagus
(Myrsiphyllum) asparagoides Smilax asparagus

1996 Dec Growing in Railway Reservoir Conservation Reserve, Traralgon.

Asparagus officinalis *

Asparagus

1996 Oct 12 Growing at Paradise Beach at 2nd pipeline

Asperula Conferta. (Common Woodruff).

1966 Nov 19th Flowering at Dead Horse Gully. Creeping plant with tiny bell shaped white flowers. Leaves similar to starwort (prickly) by soft.

1967 Oct 22nd Flowering in APM Bush.

Dec 23rd " Morwell National Park.

1968 Nov 10th " Clarke's Rd

23rd " Morwell National Park

1969 Oct 19th " at Clarke's Road.

1970 Jan 25th " at Wild Dog Creek, Wulgulmerang.

1971 Jan 30 " " Howitt Springs.

Oct 23rd " " Morwell Nat. Park.

1994 Nov 1 " " Casuarina Reserve Fulham

Oct " " Dawson River Reserve

Asperula gemella.

1971 Jan 30 Plant found on Mt Howitt Hike. Identified by Miss Galbraith but not absolutely sure as no flowers. Plant much more woody than usual for Asperulas we have seend. Leaves ring about $\frac{1}{8}$" long, still in circles around stem but plant more branched giving a denser appearance.

Asperula Gunnii — Mountain Woodruff.

1967 Feb 5th Flowering at Erica. Brighter, broader shiny leaves and more conspicuous flowers — more robust in habit.

1968 Jan 18th Flowering at Baw Baw. Starry white 4 lobed flowers without sepals.

1972 Jan 30th Flowering at Howitt Plains.

1973 Dec " " Mt Baw Baw.

1995 Jan 15th " on Dargo weekend.

1996 Jan 19th " " Mt Hotham Weekend - everywhere.

Asperula pusilla Alpine Woodruff.

1973 Dec. Flowering at Mt. Baw Baw.

1992 Jan 26th " on Bogong High Plains. Plant hairy, leaves upper surface minutely pubescent but margins + midribs ciliate stem hairy, internodes 5mm.

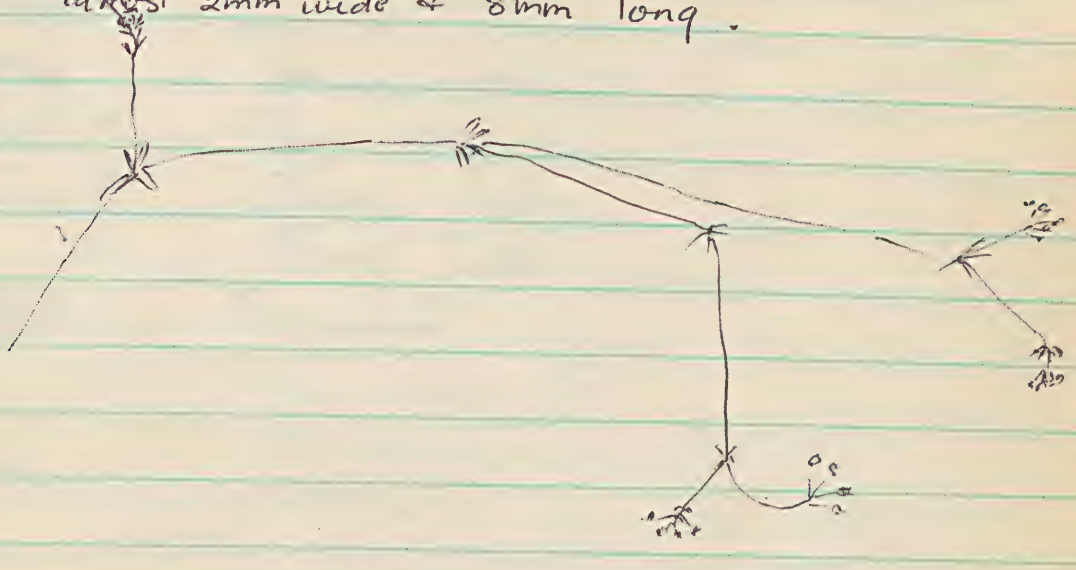
Asperula scorparia: Prickly Woodruff.

1970 Oct 17th Flowering at Briagalong.
1979 Jan 15th Recorded with Pr. Parsons. T26 Woodside - Carrajung Road.
1994 Oct 30th Flowering in Dawson Water Reserve.
1995 Oct 1 " in a soak area in APM where pines were. Happy with this identification because of the margin of the leaves being scabrid-ciliate & the leaves terminating in a strong point that is hyaline. The stems are thickly hairy. The plants covered an area to become a ~~clump~~ carpet.
1997 Apr 5th Plants growing in APM Reserve - Girand Ridge Rd.
2001 Dec 1 " " - Sandy Creek Bush, Newborough.
2006 Sept 30 " " " Serenis Track.

Asperula subsimplex — Water Woodruff

1993 Dec 2 — Flowering at west end of long broadwalk at Sale Common. Specimens to Dr. Parsons.

1994 Nov 7 — Flowering on hicola weekend. Leaves in whorls of 4 lanceolate & pointed. Flowers on long peduncles & also long petioles about 4 flowers to a peduncle. Very fine plant. leaves quite broad on lower stems almost 2mm wide & 8mm long.



Asplenium bulbiferum  Mother Spleenwort

| | | |
|---|---|---|
| 1967 | Apr. 29th. | South Cascade |
| | Sept 10th | Morwell Nat. Park. |
| 1968 | Feb 18th | Traralgon Creek Gully. |
| | Apr 7th | Cook's Reserve + Yerang Park |
| 1969 | Feb 9th | " " |
| 1966 | May | Home Bush. |
| 1970 | April 18th | Glen Nayook. |
| 1972 | July 16th | Tarra Valley. |
| | 22nd | Fairy Dell. |
| 1993 | Jan 31 | Errinundra. |

# Asplenium flabellifolium  Necklace Fern.

| | | |
|---|---|---|
| 1967 | Apr 30th | Morwell Nat. Park. |
| | Sept 10th | " " " |
| | 16th | Rosedale |
| | 24th | Calligree South Road |
| 1969 | Feb 9th | Cook's Reserve |
| | Mch 29th | Seagasser Rd. |
| 1970 | Mch 10th | Waratah Bay. |
| 1966 | June | Buchan. |
| | | Road to Bombala. |
| 1970 | Apr. 18th | Glen Nayook |
| | Nov 23rd | Lily Pily Gully. |
| | 25th | Briagalong |
| 1971 | Sept 2nd | Rose Gap area & other rocky outcrops through out the Grampians. |
| 1972 | July 9th | Billy Goat Bend. |
| | Jan 30th | Mt Howitt area. |
| 1993 | Jan 31 | Errinundra |
| 1990/1 | Oct 12 | Mt Neddrick |
| 1995 | Oct 25 | " " |
| 1996 | Jan 20th | Mt Hotham weekend at village & other places. |
| 1999 | Jan 23rd | Gelantipy weekend |

Asplenium flaccidum Weeping Spleenwort

1993 Jan 31st Errinundra.

This fern also occurs at Bulga Park

# Astelia Alpina — Pineapple Grass

1967 Feb 6th — Found at Erica – very few flowers (?)

1968 Jan 18th — Flowering at Baw Baw – probably just commencing as we ~~found~~ had difficulty finding some flowers. Flowers like wattle matrush but more bells than balls and quite fleshy.

1971 Jan 30 — Growing on Mt Howitt Hike. Leaf very large about 5 ins long and ¾" wide at bottom.

1972 Feb. — Plants growing at Mt. St. Gwinear.

1973 Jan 26th — Plants " " Mt Baw Baw

1994 Jan 15th — Plants " on Mt. Erica & Mt St. Gwinear

*

# Aster Subulatus.

Shrub Aster or Aster Weed.

1988 Mch. 26. Flowering at back of environment centre at Inverloch. Plant about 3ft tall with mainly centre stalk which branched into numerous small heads of flowers. Each head finally single on stalk about ¾" to 1" long with several "bracts" (alternate) and it looks as if another flower stalk may ultimately come from each brad after first flower has seeded. Involera with 4 rows of bracts with papery margins - top row margins deep purple. Achene about ⅓ length of pappus with short soft hairs. Pappus with many capillary bristles (Black says 3a) Flower with small bluish ray florets. Leaves near base up to branching head - narrow lanceolate with minute stiff hairs on margin, alternate. Leaves in branching head very small almost like bracts.

1999 Oct 16th Growing in Banlac Wetland ~~Berwick~~ Parnum.

2000 Apr 11th " " Heyfield "

or asteristocophora.

# Asterolasia trymalioides

Alpine Star-bush.

1971 Jan 30th Flowering on plains and near Gorge at Howitt Springs. Plant looks very similar to A phebalioides but leaves are glaberous above and hairy below. Identified by Miss Galbraith. Leaves are rounded at tip but you could not say they were round, very brownish below but dark green above. Flowers yellow + starlike.

1983 Dec 4th Flowering near little waterfall in Moroka-Wonnangatta N.P. (Hope identification right)

1990 Jan 27th Found one flower on Mt Skein plain. As I remember the leaves were shiny not dull as in Willis but they definitely had scabrid stellate hairs but flower did not appear pedicellate but rather almost sessile. However this single flower may have been not usual as it appeared to have only 2 stamens when found but certainly had style short + broadly lobed. This plant may have been A. asteristocophora as I have not definitely sorted the above from A. trymalioides Will have to check these out again if I get the opportunity.

1995 Jan 15th Flowering on Dargo weekend.

1996 Jan 20th Plant flowering on Mt Loch track on Mt Hotham weekend. This specimen is definitely A. trymalioides from shape of leaves.

Asterolasia phebalioides Downy Star-bush.

1970 Jan 2nd Flowering at Tamboritha saddle. What we thought were flowers were only dry calyxs. Hairs stellate. leaves recurved - very hairy on under surface. Petals 5 very hairy - calyx should be inconspicuous but if so then they must have been petals + flowers. Stamens (perhaps dried) on long spreading filaments + divided by 4 deep grooves. (Leaves a bit like a cactus).

1971 Jan 30th Flowering at plains at Mt Hewitt but only very few flowers. Leaves less than ½" inch very brown - downy on undersurface with branches even more densely downy, upper surface shiny.

Astroloma conostephioides — Flame Health

1971 Aug 28th Flowering throughout the Grampians. Open bush with woody branches. leaves stalkless, linear ending in point about ½" long and ⅛" wide with revolute margins Flowers deep scarlet with bracts and then the tube only just opening at tip to turn out short points to petals and show hairs on inside. Very beautiful flower.

Sept 1. Found plant with white flowers on Rose's Gap Rd.

1972 Aug 27th Flowering at Mt Arapiles & Little Desert.

# Astroloma Humifusum (Cranberry Heath)

1967 March 4th. Flowering on Cormandale Road.
1968 June 9th Many flowers on plants along Rosedale Rd.
July 21st " " at Chester Park.
1969 Feb 16th Flowering at Cormandale Reserve.
May 10th " lime-pit Road. Rosedale
Aug 16th Flowers & seeds on plants at Wilson's Prom. First time we have seen both seeds & flowers on same plant. This has been an exceptionally mild winter.
Oct 18th Flowering at Rosedale.
1970 Jan 24th " along Bruthern Road.
Mch 25th " at Cormandale Reserve in profusion.
May 11th Flowering at Glengarry North. Must have been flowering for some time as berries had formed but not ripened.
May 25th Flowering at ~~Glengar~~ Cormandale reserve.
1971 Aug 29th Plants in bud in the Grampians.
1973 May 13th Flowering at Rosedale
1978 May 5th " in Holey Plains S.P.
1994 Nov 26 Plants on RPM Block Stradbroke on Sth Gipp. Hway
Oct 30 " " Dawson Water Reserve
1995 Oct 28 " " Wonthaggi Heathlands
1990/1 Oct 12 " " Mt Hedderick

1996 Jan 20th Growing on Mt Hotham weekend

2004 Apr 3 " - Colley's Rd. Block

Astroloma pinifolium. (Pine Heath)

1968 Sept 28th Flowering at Dutson Downs. Very low plant growing under shrubs. Flowers bright yellow & green, sometimes hidden by thick foliage. Flowers fall very easily.

1971 Aug 15th Flowering beautifully at Loch Sport Corner, Aug 29th " " on very big plants throughout the Grampians. Plants were up to 3ft high with a great number of flowers. Definitely luxuriant growth.

1972 Aug 29th Flowering in the Grampians

Astrotricha asperifolia  Rough Star-hair.

1970 Oct 11th Flowering at Briagolong. Identified by Miss Galbraith. Branches about 4 ft high. leaves 2 cm long 2mm wide, rough to touch because of pimples; margins rolled under. Top of leaf green, undersurface almost yellow. leaves all round stem some opp but not all. Flower rather spreading, backs of flowers and buds very hairy. Miss Galbraith says name comes from hairs arrangement. When looked at under microscope they are arranged like stars ✳.
Stigma two long tubular protrusions above the flowers. Cant find any pollen Beagle says they can have bisexual + unisexual flowers together.

1971 Aug 31st Flowering in the Cirampians, plants not in full flower but buds almost opening. leaves lanceolate or strap like, very rough to touch on upper surface + dark green with main vein very noticeable. Undersurface + stalks very densely woolly. Flower bracts + calyx's densely woolly. Very stiff plant.

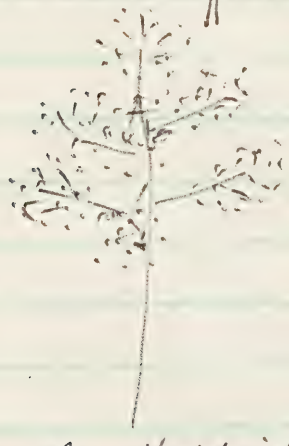
Oct 10th Flowering at Rosedale on Lime Pit Road. Identified as above species as the leaves had recurved edges and A. ledifolia has flat leaves. Flowers have central cluster and then stems all around so that central cluster is surrounded by smaller clusters. Central cluster flowers first.

1972 Aug 25th Almost in flower in (Little ~~Desert in~~)
Grampians

1981 Nov 28th Flowering in Labertouche Forest.
Leaves with recurved edges.
Identified by Jack Brooks.

Astrotricha asperifolia  Rough Star-hair.

1981 Nov 28th  Flowering in Haberlaughe Forest. Plant 4'-5' high with long leaves 3" or more long. Tuberculate on upper surface but brownish white below with stellate hairs. Flower terminal and lacy about 3' long with round effect from long stems to side clusters



1990/1 Oct 12  Mt Heddrick

Astrotricha asperifolia (Rough Star-hair)

1967 Dec 29th flowering along Thomson Valley Rd.
1968 Dec 29th " on road past Walhalla.

Astrotricha ledifolia (Common (Star-hair)

1968 Oct 13th Plant in bud at Habertouche, leaves long hairy on back and light but dark green on upper surface. Plant about 5 ft.

1972 Aug 29th Flowering in the Grampians.

1994 Jan 16th " in bushland along Thomson River near Walhalla Rd bridge. Leaves blunt pointed dark green above, alternate with small stems. Densely covered with hairs on undersurface. Flower or inflorescence much branched, stems at right-angles to main stalk; app 6 flowers at end of each branch. Flowers 5 petalled, reflexed, purple. Flora of NSW states purple-flowered form from mountains in ACT.

1994 Nov 9th Licola weekend.

1997 Oct 25th In bud at Habertouche.

Astrotricha. Parvifolia.

1968 Sept 25th Flowering near Dalson Downs. Unlike the other star-hairs as it grows on a single stalk about 5 ft high. The leaves are very close around the stem + very dark green. The flower is in a dense cluster at the end of stalk. Identified by Miss Galbraith. Mrs Lyndon reports this is the type specimen.

1991 Oct 12 In bud on Mt. Hedrick; in fact a couple of flowers had opened.

2003 March. Two subsp. protruberances on upper leaf surface restricted to edges of the lamina or distributed over the lamina.

Atherosperma moschatum. Sassafras.

1990 Nov. 5th Plants with fruit not fully developed on the property of Mr Darby at Moe South out from Trafalgar. This tree did not look like the Sassafras that we are used to. The leaves were entire & the crown not as conical as we are used to in Bulga Park & in the upper reaches of the Traralgon Creek. In "Forest Trees of Australia" it states older trees have open crowns with decumbent lower branches. Ollie could not reach round the trunk of the tree with his arms so it would be an old mature tree. leaves were opposite & entire not with the toothed effect we are used to; but they were still dark green above and silvery beneath. Leaves had a very few scattered hairs on both surfaces but this may have been because the leaves were picked up off the ground & were drying out. When crushed there was still the fragrance of nutmeg to be smelt. The books say flowering time is July - Sept. so it was right that the flowers had lost their "petals" as these are recorded as soon falling. The tree has separate male & female flowers on the same tree. The fruits collected still had the remains of the long feathery styles projecting from them. The outside of the fruit was a lovely silvery silky effect.

1991 Jan 26th Plants growing on Bell's Creek Rd off Tulloch Ard Rd near Gelantipy. Fruit mature and releasing seeds. They floated down like seeds of compositaea. They had the seed with a pappus-like area, actually it is the seed that is hairy. Seed has a tail which is also hairy and it all gives a feathery appearance. Hairs on seed are quite long in comparison, I would think as long as seed.

1993 Jan 30. Plants growing in gullies in Errinundra N.P. Can be picked out even in the distance because of the lovely christmas-tree-like shape & different coloured foliage.

1997 Jan 18 Plants growing near Mt. Nugong.

# Atriplex

Perhaps prostrata

1972 Aug 28th Plant growing in little Desert area or on road to little Desert.
Plant very close to ground. Leaves tiny 4mm long & oval shaped. Whole plant covered with what looked like clear grains of sand. I assume these are scales. Much branched limb of plant only 2" long.

1973 July 14th Plant growing at Taengabbie North

Atriplex cinerea (Coast Salt Bush)

1970 Mch 10th Mrs Lyndon reports this plant at Waratah Bay.
Apr 26th Flowering at Screw Creek near Leongatha. Long drooping branches about 3 ft long in large sprawling bushes. Leaves broad lanceolate, almost white underneath but green on top. Whole plant fairly soft. The male flowers are at the ends of branches + the female at the leaf bases. Flowers are just green calyxes with either stigmas or stamens.

1986 Aug. 17 Plant growing at McGauran's Beach on ocean side of the dune right down near sand line. Identified only from drawing in Jean's book as specimen had no fruit or flowers.

1992 Apr 25 Plants growing in Noomorang Coastal Reserve near Port Albert.

1993 Feb 26th Plants growing on Red Bluff beach at Corner Inlet.

1996 Nov 23rd. Growing along Old Port ~~Road~~ Trail Nooramunga Coastal Reserve.

2006 July 30 Growing at McLaughlans Beach

Atriplex paludosa.

Ellen describes it as straggling goosefoot falling through other shrubs. Recorded for Inverloch.

Atriplex semibaccata Creeping Saltbush

2000 Apr 11th Growing on bare land at Heyfield Wetland. Good illustration in Plants of Western N.S.W.

2002 Apr 27th Growing in Heyfield Wetland.

2002 July 27th " " Bridrib Rd. Wetland.

2006 May 6th John Topp brought specimen to Botany Group. Fruits singly at leaf bases. To see bracteoles you need to remove fruit & bracteoles are left behind. Plants of Western N.S.W. mentions succulent fruit when fresh but drying later. Also known as Berry Saltbush.

pusilla ssp muelleri

Australina (Muelleri) Smooth Nettle

1978 Dec 15th Flowering below the T.V. tower area. heaves deeply veined 2·5 - 4 cm long with serrated edges. Flowers tiny, white, seems to have both male + female in same cluster with one sessile + the other on curling stem. Branches red, downy.

Austrocynoglossum latifolium

(Cynoglossum latifolium) Forest Hound's-tongue.

1993 Jan 30 Flowering in bushland between Club Terrace & Combienbar. Flowers tiny white, plants straggling; leaves ovate

1996 May 31st Growing in Jindivick Land-care area.

1997 Apr 5th " " APM Reserve – Grand Ridge Rd. Buds showing.

2003 June Name change in 7th ed. of Census.

Austrodanthonia bipartita

(Danthonia linkii)

leafy Wallaby-grass

1996 Dec Growing in Railway Reservoir Conservation Reserve, Traralgon

2003 June Name change in 7th ed. Census.

Var. fulva now A. fulva Var linkii now A. bipartita

Austrodanthonia caespitosa

Danthonia caespitosa. Common Wallaby-grass

1995 Dec 12. Flowering on Railway Reserve near Traralgon

1996 Nov 23rd " " Old Port Trail at Nooramunga Coastal Park

Dec Growing Old Melb. Road near Latrobe Road Morwell.

Dec " Railway Reservoir Conservation Reserve, Traralgon.

2002 Nov 24 " " " " " "

2003 June Name change in 4th ed. Census

Austrodanthonia duttoniana

Danthonia duttoniana Brown-backed Wallaby Grass

1992 Aug. Growing in Rosedale Railway Reserve west of station. Plant with usually awns. Lobes of lemmas with awns as well as central lobe. Rather heavy effect with large spikelets. Leaves glabrous to 8" long with obtuse apices.

2002 June Name change in [illegible]

Austrodanthonia fulva Copper-awned Wallaby-grass

2004 Nov 28 Flowering at Ollerton Avenue Bushland.

Austrodanthonia geniculata

(Danthonia geniculata). Kneed Wallaby-grass

1996 Oct 12th Flowering in Paradise Beach near 2nd pipeline.
Identified by Sue Taylor.

2003 June Name change in 4th ed. of Census

Austrodanthonia indula

(Danthonia procera) Tall Wallaby Grass.

1996 Sept 5th Identified by Ken Harris & recorded for Significant Roadside Area on Tramway Rd. near Churchill.

2003 June Name change in 7th ed. Census.

# Austrodanthonia oreophila. Mountain Wallaby-grass

2001 In Muelleria Vol. 8(3) 1995 Description of new species as Rytidosperma oreophilum with diagrams.
In Census Vol 1st ed 2003 name change to Austrodanthonia.
This is an alpine species 65 km north of Heyfield.

Austrodanthonia penniculata
(Danthonia penniculata) Slender Wallaby Grass

1994 Nov 1. Am not sure if we collected this species as well as D. pilosa but I think we did. Collected it at Casuarina Reserve at Fulham

Austrodanthonia pilosa

(Danthonia pilosa? Smooth-flowered Wallaby Grass

1994 Nov. Collected flowering specimen at Casuarina Reserve at Fulham.

Described in grasses book.

1996 Dec Growing on Old Melb. Road near Latrobe Rd. Moe.

2005 June Name change Fed. 1 Census

Austrodanthonia racemosa var racemosa

(Danthonia racemosa). Striped Wallaby-grass

1996 Sept 5th Identified by Ken Harris & recorded for Significant Roadside Area on Tramway Road near Churchill.

2003 June Name change to Austrodanthonia

Austrodanthonia richardsonii

(Danthonia richardsonii) Wallaby Grass.

1992 Aug. Growing in Casuarina Woodland, Railway Reserve Fulham. Not sure of this identification as this species not recorded for our part of the State. I stuck to this identification because of the shape of the palea , shape of lemmas, height of palea. My specimen was shorter than recorded in key for panicle but then it was not a fresh but rather a dried specimen, may have broken off. Will try to collect fresh specimen in Spring.

1994 Nov 1 Collected again as above.

1995 Dec 12 " Railway Reserve near Traralgon

2003 June Name shown in [illegible]

Austrodanthonia setacea

(Danthonia setacea.) Bristly Wallaby-grass

2001. Dec 1. Flowering in Sandy Ck Bush, Newborough.

1997 Nov 15 " Moe Rail Trail.

Nov 9 " Knob Reserve, Stratford.

2002 March " in Railway Reservoir Reserve, Tyon.

2003 [illegible]

Austrofestuca. littoralis Coast Fescue.

1992 April 25th. Growing in reserve at Port Albert.
Ellen identified this plant. It grows as a tussock.
Kemp et al says this plant is never found away from coastal dunes. Ellen identified from a para as the flower would spread out.
Inflorence without or with just one spathe. Lemmas awnless. Leaves sharp pointed often longer than culms, panicle dense.

Austrostipa ~~elegantensis~~ elegantissima

1993 Sept 3 Plant growing in Whipstick.

2003 June Name change in 7th ed of Census.

Austrostipa ~~mollis~~

(=Stipa (Semibarbata) Fibrous Spear Grass

1992 Aug. Growing in Casuarina Woodland, Railway Reserve, Fulham. long awns, single florets, definite pedundes., ligule narrow band of hairs.

Nov 10. Growing Longford Road.

1995 Oct 28th Flowering on Wanthaggi Heathlands

1996 Dec Growing on Old Melb. Rd. near Latrobe Rd. Morwell.

2003 June Name change in 7th ed of Census

2004 Oct 26th Flowering on Longford Road ~~with reddish or purplish appearance~~.

Austrostipa muelleri

Stipa muelleri · Wiry Spear-grass

1995 11th Nov. Flowering in Edward Hunter reserve in northern corner. Looks a bit like Wiregrass but is smooth & has long bent awn to lemma. On drying awn twist & where three flowers were together awns twisted together. See grass book.

2000 Nov 4th Flowering at Labertouche

Dec 3rd Growing in Sweetwater Creek Reserve.

2001 Aug 27th " " Newborough bush.

Dec 1 " " " " Sandy Creek.

Austrostipa pubinodis — Tall Spear-grass

1994 Nov. 1. In seed in Casuarina Reserve Fulham

2003 June Name change in 7th ed. of Census

Austrostipa rudis — Veined Spear-grass

1993 Jan 31. Growing in Errinundra N.P.

Jan 1. " along Downies Lane.

Inflorescence with very twisted appearance due to fact that awns bend ⌐ and also twist around any adjacent awns. Awns when straight have a little thickenings which is where they bend on maturity. Ligule reduced to hairy ring & very short. As soon as culm is picked awns commence to dry & twist & whole panicle becomes a twisted mess.

1996 Sept 7th Growing in Significant Roadside Area on Tramway Rd near Churchill. Identified by Ken Harris.

Dec " on Old Melb. Rd near Latrobe Rd. Maxwell.

Dec " Railway Reservoir Conservation Reserve, Traralgon.

2003 June Name change in 7th ed. of Census

Austro Stipa scabra. var falcata  Rough Spear-grass

1995 Dec 12th Recorded for Railway Reserve near Traralgon
Written up in grasses book.

Dec 14th Recorded in APM block Stradbroke on Sth Gippsland Highway.

2003 June Name change in 7th ed. of Census

*

Avena fatua — Wild Oat.

1994 Oct. Recorded for Dawson Riverv Reserve.

Avicennia marina White Mangrove.

1968 May 12th Flowering at Ellingdale Run. Flowers small clustered orange at the ends of leafy branches. Seeds do not fall off bushes until germinated. look like ~~small~~ broadbean plants but leaves much tougher + thicker.

1970 Apr 26th Plants at Screw Creek near Coongatha. Ellen said they would have flowers on them but we were not close enough to see.

Azolla filiculoides  Pacific Azolla

1968 Sept 28th  Near Latrobe River at Sale.
Very red at this time.

Azolla pinnata

1981. Aug 3rd Recorded with Dr. Parsons Tiruvalgam. 19

Babiana angustifolia (Baker) Baboon Flower.

1993 17th Nov Flower was brought to us by Lorrae Wild from Fox's Rd. Cowwarr. It had flowered there last year & again this year. There were 7 plants this year. Plant not included in Census of Vic. although Neville Scarlett knows established stand at Lethbridge. So may be added to Census.
Flower is neat magenta colour, stands about 9" high, has very "pleated" leaves coming off stem in like a gladiola. Leaf hairy. Flower with tube before spreading & sepals & petals equal & evenly spread. There is some discussion as to whether there are 2 species in Aust. Babiana disticha is a bad weed & if it is that then plants had better be destroyed. Dr. Parsons to send specimen away for positive identification.

~~KFC~~ 2003 June Name change in 2nd ed. of Census.

Babingtonia behrii

(Baeckea) behrii — Short-leaved Broombush

1972 Aug 28th Plant growing in profusion in the Little Desert. Plant up to 3ft or so high. Stems white & slightly ridged. Leaves erect, green, appeared terete with groove on under side; appear slightly "pimply"; about 5mm long. Leaves end in fine point, almost hairlike but visible to naked eye. Point recurved. Leaves opp and hastate. Branches point upwards White stems + green leaves give plants a speckled appearances. Compact bush.

Babingtonia pluriflora

(Baeckea virgata). Tall Baeckea.

1993 Feb. 26th Flowering beside creek crossed between Club Terrace & Cambienbar near where Errinundra Road commences. Tall shrub app. 10ft high. Flowers white, about 1 cm across. Flowers in umbells of up to 4 on one peduncle but there can be 2 peduncles from the bases of the paired leaves. I suppose you could say one peduncle from each leaf base.
leaves 1.5 to 2 cm with very short ~~pedunc~~ pedicle, pointed with brown acute point at apex. leaves appear to be covered with oil glands & vein only extending for app. 1/3 of the leaf. leaves opposite. Branches angular bark appears to split on young branches & on older branches it looks like a coating on part of the branches with a gap in between.

Baeckea crassifolia — Desert Health-myrtle

1971 Sept 3rd. Flowering at Flat Rock near Mt Zero. Plants about 1ft or so high. Flowers 5mm across. Leaves up to 3mm long strap-like ending in a point. Leaves close together around stem

1972 Aug 28th Flowering in Little Desert. Plants not very big up to 1ft and about 1ft - 1'6" across. Flowers from pale blue, almost white to deep mauve blue.

Baeckea ericaea.

1972 Aug 28th Flowering in the little Desert. Flowers we saw were white, stalkless with very tiny crowded leaves.

Baeckea Gunniana — Mountain Heath Myrtle

1967 Feb 6th Flowering at Erica. Tiny leaves like golden bush pea, tiny flowers pink inside.

1968 Jan 18th Found plant but too early for flowers.

1969 Nov 23rd Flowering at Mt Baw Baw.

1970 Jan 24th " " Wild Dog Creek + Rocky Plain Willgulmerang.

1971 Jan 30 Flowering at Howitt Springs. Bushes on side of road about 3ft high and covered with lovely pink flowers.

1994 Jan 16th Plant growing on Mt. Erica.

1995 Jan 15th Dargo weekend.

1996 Jan 20th Mt Hotham Weekend - plain at King Spur turn off.

1999 Jan 24th Recorded on Cielantipy weekend.

# Baeckea (Ulilis) latifolia

1967 Feb 6th Bigger, light green leaves, flowering Erica.

1970 Jan 25th Flowering at the Cobberas. leaves larger than B. gunniana.

1972 Feb. Flowering at Mt. St. Gwinear.

1991 Jan 27th Flowering on Rocky Plains near Gelantipy.

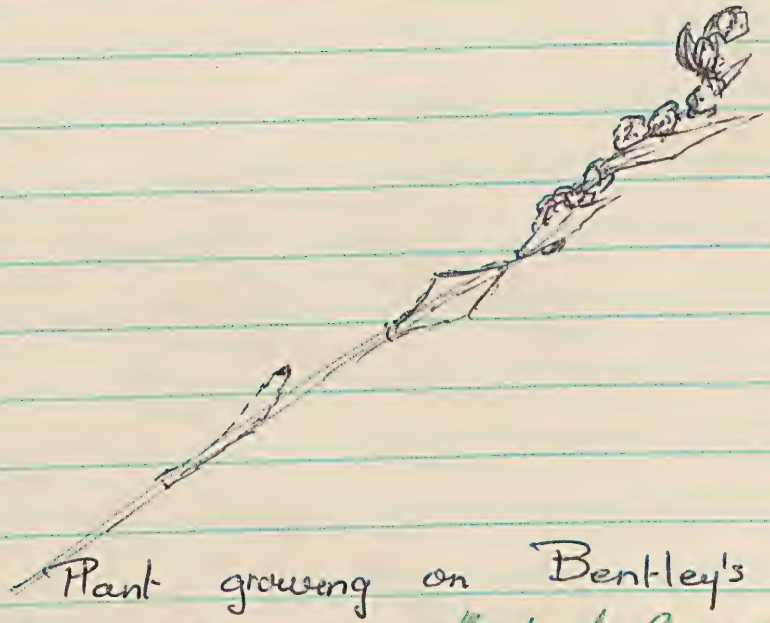
1994 Jan 15th Plant growing on Mt. Erica.

1998 Jan 23rd Recorded on Gelantipy weekend.

1999 Jan 23rd Identified from specimens from Gelantipy weekend.

Baloskion australe
Restio australis
Mountain Cord-rush,

1995 Jan 15. Plant growing on Omeo Plain on Dargo High Plain.
Culm much longer than leaves I did not collect if any. Think leaves were similar to culm. That is to say they are erect terete stems with bract-like leaves.
Our culm is 16" high with light brown bracts 3 cm long with base completely surrounding stem for at least 2/3 of the length of bract. lower bracts 8.5 cm apart but getting closer as they are up the stem; bracts spreading near the inflorescence, which is 3 cm long. It consists of 4 separate sections but so close together as to appear continuous. There are two clusters of flowers to each bract. Clusters very short stalked



1997 Jan 18" Plant growing on Bentley's Plain.
2003 June Name change in 7th ed. of Census

Baloskion tetraphyllum

(Restio) tetraphyllus — Tassel Cord-rush.

1996 Dec. 12 Growing on APM block at Straadbroke.

1997 Sept 6. " in damp area on Moe Rail Trail.

2003 June Name change in 7th ed. of Census.

Banksia canei

1974 Jan 29th Flowering on road near Blue Duck camping area.

1991 Jan 21st Flowering along the Wulgulmerang/Benambra Rd near Rocky Plain.

1994 Nov 9th hicola weekend.

1998 Jan 23rd Recorded again at Gelantipy weekend.

Banksia Integrifolia (Coast)

1969 May 24th Flowering at Cape Paterson.
Aug 16th " " Wilsons Prom.
1970 Mch 7th Commencing to flower, many brushes only in bud. at Warahah Bay.
1971 Aug 29th Plants growing in the Grampians. leaves entire and rather large with silver on the underside and dark above.
1995 Oct 28' Growing in the Wonthaggi Heathlands

# Banksia Marginata (Silver)

1967 May 24th Flowering in bush above house.
1968 Mch 31st " " A.P.M. Reserve.
June 10th Small flowers partly open on Rosedale Rd.
1969 Feb 23rd Flowering our bush.
May 10th " himepit Rd. Rosedale.
28th " at Willung South.
July 26th " Darlamurla.
1970 Mch 7th " on heathlands near Walkerville.
May 25th " at Old Port Road. Willung.
Aug 9th " in A.P.M. reserve.
23rd " at Rosedale + Holey Hill Trig Pt.
Oct 1 " " New Reserve Rosedale
1971 Sept 1 " in Grampians.
Nov 17 " at Reid's Corner.
1972 Sept 10th " " Rosedale
1973 May 13th " " "
Aug 4th " " T'gon Sth. Reserve
April 25th " " Whitelaw's Track
1975 Aug 30th " " Mullundung.
1978 May 10th " " Holey Plains S.P.
1989 May 11th " " " " " & Boodyarra
& T'gon Sth.
1991 Feb 23rd Flowering along Longford Road. The plants were about 5ft high with slightly narrower leaves than the plants around T'gon Sth which only grow to about 3ft usually.

1994 Sept 3 Flowering in reserve (A.P.M).
Floral formula. P(4) A 4 C 1

1994 Nov 26 Plants on APM block Stradbroke on Sth Cpp. Hway.
1995 Oct 28th " " Wanthaggi Heathlands
2004 Aug 27th " " Newborough bush
Dec 1 " " " " Sandy Creek.
2002 Nov 23 " " Holey Plains State Park.
2006 Sept 30 " " Seremis Track.
Feb 26 " " at Duck Point.

Banksia ornata.

1992 Aug 28th Flowering in the little Desert.

Banksia Serrata (Saw)

| | | |
|---|---|---|
| 1966 | May | Some seedlings transplanted into reserve |
| | Aug 27th | Further seedlings " " " |
| 1968 | Jan 28th | In bud along Callignee South Rd. |
| | June 9th | " flower " Rosedale Rd almost finished. |
| 1994 | Nov 26th | Plants on APM block Stradbroke on Sth Gipp. Hway. |
| 2002 | Nov 23 | " " Hokey Plains State Park. |

# Banksia Spinulosa (Hairpin)

1967 June 19th Flowering across border into N.S.W. Styles beautiful maroon color; all bushes up to 4ft. Further on past Eden

July 29th Flowering at Darlamurla. Plant at least 20 ft high. Everyone, including Mr Auckoleoni, thought this exceptional for this plant. Cones 10" to 1ft long. Miss Galbraith says that in Queensland styles are orange like rest of cone. Here in Victoria styles are black.

Oct 13th Flowering at Haberlouche

1968 April 15th Commencing to flower at Anderson's Track. The hairpins fully formed at top of spike but bottom of spike not fully developed.

1969 July 26th Flowering at Darlamurla. More large plants side of in gully.

1970 Aug. 29th Flowering at Darlamurla. This plant was also flowering at the back of Tyers.

May 3rd – May 3rd on road through from Glengarry Nth.

Nov 23rd Flowering at Lily Pilly Gully.

25. " at Briagalong

1994 May 1 Growing in Husten's property near Darlamurla.

2000 Dec 3rd " " Sweetwater Creek Reserve.

2006 Nov 4 " " Springsure area

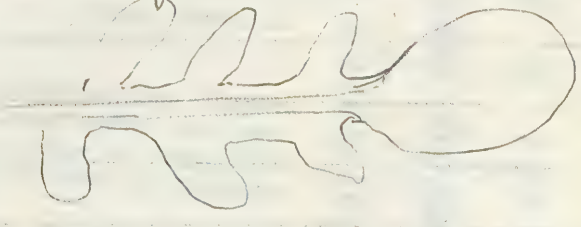
*Barbarea (verna) intermedia Winter Cress

1990 Nov 16th Flowering along Downies lane on roadside in reserve. Also grows along creek on our property. Will send to D. Parsons as no record in his book but recorded in Ross's Census.

Think it is this species because upper cauline leaves have lobes + are not entire.. ∴ not Australian species. Seed pods are already 30mm + are not mature. Pairs of lobes on basal leaves are more than 5 although it seems lobes are one normal, one tiny + about 1cm long. Pedicles are curved + spreading + not erect. Only thing that bothers me is that leaves are supposed to be glabrous + I would say they were minutely shortly hairy underneath. Flowers, of course, are yellow with many growing up a peduncle that extends as fruit form.

This must have to be paired leaves not single lobes.

leaves have portion of leaves confluent with section between lobes



This plant was identified by Dr. Parsons and Neville Walsh as B. intermedia because of the 3 lobes on the leaves + the small seeds. It is the first record for Victoria, no the second as Ken Harris took the leaves to the Herbarium earlier but it was not identified due to lack of flowers and seeds. See Dr. Parsons file for correspondence.

1991 Feb. 2nd Found plants up at Koornalla farm on Jeeralang Creek branch + also at Koornalla Recreation Reserve. They are also on the creek in Norm's + Carl's + on Downies lane at corner on flood plain.

Doreen

Well? I'll write about your

et: N.H. Scarlett

Plants are growing either in silt or amongst the stones. They do not appear to grow amongst the other plants back from the creek edge. Plants in seed now.

***2. B. intermedia** Bor.

A biennial herb with erect rigid stem 30–60 cm high. Rosette leaves stalked, pinnate, with 3–5 pairs of lateral lobes the uppermost pair exceeding the width of the terminal lobe which is larger and ovate-cordate. Upper stem leaves pinnately divided with narrow linear-oblong lateral lobes. Flowers about 6 mm in diameter, petals yellow, about twice as long as the sepals. Fruits 1–3 cm long on short pedicels, erect.

Introduced from Europe. Roadsides and waste places.

***3. B. verna** (Mill.) Aschers. *Early Wintercress*

A biennial herb, the stem erect, rather rigid, usually branching, 30–70 cm high. Rosette leaves stalked, pinnate, with 6–10 pairs of lateral lobes the uppermost pair equalling the width of the terminal lobe which is large and oblong-cordate. Upper stem leaves pinnately divided, the lobes narrow. Flowers 7–10 mm in diameter, petals yellow, up to 3 times as long as the sepals. Fruits 3–6 cm long on thick pedicels 4–8 mm long, slightly curved upwards and somewhat spreading.

Introduced from Europe. Locally abundant on roadsides and waste places.

## 22. RORIPPA Scop.

Annual or short-lived perennial herbs, glabrous or with simple hairs. Inflorescence usually ebracteate. Flowers with inner petals saccate; petals white or yellow; stamens 6; ovary with numerous ovules in each loculus; style short; stigma ± 2-lobed. Fruit variable in shape but with convex valves having the midrib slender, or indistinct and seen only towards the base. Seeds numerous, in 2 rows (sometimes irregular) in each loculus; cotyledons accumbent.

About 70 spp., widespread especially in temperate regions and on mountains in the tropics.

1 Flowers yellow; fruit a silicula 4–9 mm long .... .... .... **1.** *R. islandica*
Flowers white or tinged with purple; fruit a siliqua 2·5–6 cm long .... .... .... .... .... .... .... .... .... .... 2

2 Leaves entire or sinuate-toothed, the upper ones sessile, stem-clasping .... .... .... .... .... .... .... .... .... .... .... **2.** *R. stylosa*
Lower leaves pinnate, all leaves petiolate .... .... .... .... **3.** *R. dictyosperma*

**1. R. islandica** (Oeder) Borbas *Yellow Marsh-cress*

*Sisymbrium islandicum* Oeder, *Nasturtium palustre* DC.

A biennial herb, the branching grooved stems ascending, 10–100 cm long. Leaves pinnately lobed with narrow toothed segments, the lower leaves stalked, the upper sessile, auricled. Flowers about 3 mm in diameter, petals yellow, as long as the sepals. Fruits 4–9 mm long, oblong, inflated, curved slightly upwards, on spreading pedicels of about the same length. Seeds yellowish.

Tas., occasional in wet ditches and borders of swamps. Temperate Australia. A cosmopolitan species.

**2. R. stylosa** (DC.) Allan

*Cardamine stylosa* DC., *Nasturtium stylosum* (DC.) O. E. Schulz

A perennial herb, the branches coarse, erect or ascending, 60–120 cm long. Leaves oblong-lanceolate, 7–12 cm long, the margins entire or sinuate with small widely spaced teeth, glabrous. Lower leaves petiolate, upper ones sessile, stem-clasping,

Bon as Barbareas can be garden escapes, could you let me know roughly how far your plants are from present and/or past houses & gardens please?

Bon your specimen was a surprise. Is likely to be a new record for Victoria; I reckon they will accept it as truly naturalized given the details you sent. Did Ollie find the plant upstream from your place on your neighbour's property as well? I'll write about your fine study later. Cheers Bob

LA TROBE UNIVERSITY HERBARIUM MELBOURNE

Barbarea intermedia
Boreau

Det: N.H. Scarlett 17 Jan. 1991

Grasses can be difficult to identify from photographs. The following sketches will assist in the identification of the dominant grass species.

## *THEMEDA* SPECIES

Flora of Tasmania



long, clawed, the blade obovate and spreading, white or lilac. Style about 2 mm long, persistent in the fruit. Fruits narrow, 1·5–3·0 cm long on pedicels about the same length, erect or somewhat spreading.

Tas., common in marshy places. S.A., Vic., N.S.W.

The above description applies to a polymorphic complex and may be found to include other named taxa, e.g., *C. lilacina* Hook.

## 20. CHEESEMANIA O. E. Schulz

Perennial herbs with thick rootstock, often branching, bearing rosettes of leaves and leafy flowering stems. Sepals almost equal. Petals white. Stigma ± sessile. Fruit a siliqua, linear or broadly oblong, compressed, opening by valves, the septum membranous. Seeds in 2 rows in each loculus, cotyledons accumbent.

6 spp., 5 in New Zealand, 1 in Tasmania.

### 1. C. radicata (Hook. f.) O. E. Schulz

*Cardamine radicata* Hook. f.

A perennial herb with persistent branches arising from a thickened rootstock. Branches procumbent, spreading 10–30 cm, cylindrical, up to 1 cm in diameter, brittle, brown in colour and bare except for scars of bud scales, ending in rosettes of leaves and leafy flowering branches which are erect and 10–15 cm high. Leaves spathulate, 4–9 cm long, coarsely toothed, narrowed into petioles, glabrous, rather thick. Fruits narrow-ovate, 2–2·5 cm long, 0·5 cm wide, on pedicels about 1 cm long, erect or somewhat spreading.

Tas., endemic, in crevices of rocks on mountains at an altitude of about 4 000 ft.

## 21. BARBAREA R. Br. in Ait. f. *nom. cons.*

Biennial or perennial herbs, stems branched, erect, angular, glabrous or with scattered simple hairs. Leaves entire or pinnately lobed or divided, the basal ones in a rosette, the upper ones sessile, stem-clasping. Inflorescences racemes, corymbose, sometimes bracteate. Petals yellow. Stamens 6. Fruit a siliqua, elongated, bluntly 4-angled, the valves with a prominent midrib. Seeds in 1 row in each loculus, cotyledons accumbent.

About 12 spp. in temperate regions mainly of the northern hemisphere.

1 Upper stem leaves simple with shallow lobes .... .... .... **1.** *B. australis*
Upper stem leaves deeply pinnately lobed or divided 2

2 Basal leaves with 3–5 pairs of lateral lobes; fruits 1–3 cm long .... .... .... .... .... .... .... .... .... .... .... **2.** *B. intermedia*
Basal leaves with 6–10 pairs of lateral lobes; fruits 3–6 cm long .... .... .... .... .... .... .... .... .... .... .... **3.** *B. verna*

### 1. B. australis Hook. f. *Native Wintercress*

A biennial or short-lived perennial herb, the stem erect, c. 50 cm high, sparingly branched above. Rosette leaves stalked, pinnate, 8–10 cm long with 2–3 pairs of small ovate lateral lobes and large terminal lobe sometimes sinuate-toothed. Upper stem leaves simple with sinuate margins, auricled, stem-clasping. Fruits somewhat crowded, 3–5 cm long, ± erect, on pedicels 7–9 mm long.

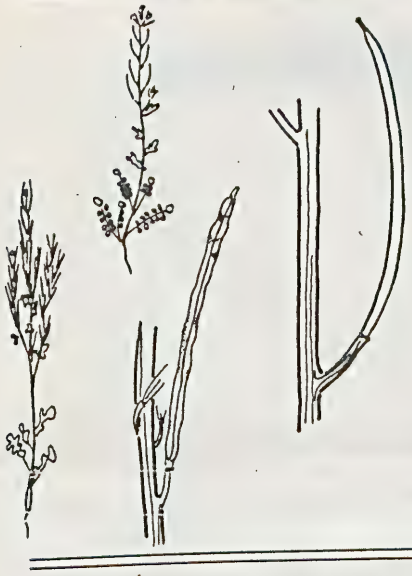
Tas., recorded by J. D. Hooker from moist or marshy districts in the centre of the island and near Launceston. Vic., N.S.W.

*DANTHONIA* SPECIES

Flora NSW

1 Upper stem leaves pinnatifid with linear lobes; pedicel curved, spreading, stout, more than half as broad as siliqua; seeds rounded, not marginate..... 1 *B. verna*

1* Upper stem leaves simple and ± toothed or lyrate-pinnatisect with 1 pair of lobes; pedicel erect to spreading, less than half as broad as siliqua; seeds with a narrow warty wing. ..... 2 *B. grayi*



1 *B. verna* (Miller) Asch. **Wintercress**

Biennial to 75 cm high, erect, usually glabrous. Basal leaves lyrate-pinnatisect with 5–10 pairs of lobes, petiolate; upper stem leaves pinnatifid with linear lobes. Petals 5–7 mm long. Siliqua 3–7 cm long, 1.5–2 mm wide; pedicel curved, spreading, stout, 3–6 mm long, more than half as broad as siliqua; seeds rounded, not marginate. Garden escape. Native of Eur. CC; Vic., Tas., S.A.

2 *B. grayi* Hewson

Annual or biennial to 90 cm high, erect, robust, glabrous. Basal leaves with long petiole and terminal ovate lamina, sometimes lobed; lower stem leaves pinnatisect, to 6 pairs of lobes; upper stem leaves simple and ± toothed or lyrate-pinnatisect with 1 pair of lobes. Petals 5–6 mm long. Siliqua 2–6 cm long, 2–2.5 mm wide; pedicel erect to spreading, 3–6 mm long, less than half as broad as siliqua; seeds with a narrow warty wing. Endemic to southern Alps. ST; Vic. [previously included under *B. australis* Hook. f. which is now considered to be confined to Tasmania]

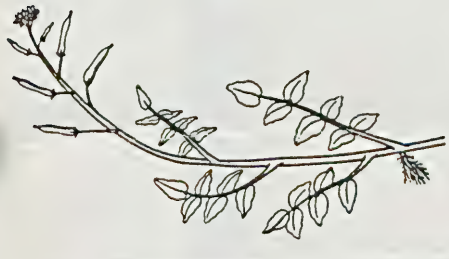
## 25 *Turritis

Annual or biennial herbs. Flowers in racemes. Sepals dimorphic. Petals clawed. Siliqua dehiscent, beakless; valves with prominent midvein; seeds in 2 rows per loculus. **World:** 3 spp., Afr., Eur. to Japan. **Aust.:** 1 sp. (naturalized).

*T. glabra* L. **Tower Mustard**

Biennial 60–120 cm high, erect, ± unbranched or with several stems from rosette, glaucous, sparsely hairy at base with branched and simple hairs, ± glabrous above. Basal leaves in a rosette, pubescent with stellate hairs, toothed to shallowly pinnatifid, petiolate, not persistent; stem leaves reducing to ± lanceolate, to 10 cm long, sessile, auriculate, glabrous. Sepals 3.5–5 mm long. Petals 4–6 mm long, pale yellow. Siliqua linear, 3–7 cm long, 1–1.5 mm wide, 4-angled; pedicel appressed, 7–10 mm long. Naturalized in a few localized areas. Native of Eur. NT CT ST; Vic.

## 26 *Rorippa*



Annual, biennial or perennial herbs, usually glabrous, some aquatic. Leaves simple to pinnate. Flowers in racemes. Sepals dimorphic, inner pair saccate. Stamens usually 6, sometimes 4. Stigma 2-lobed to capitate. Siliqua generally linear, beakless; valves convex, the midvein ± inconspicuous; seeds usually in 2 rows per loculus, sometimes mucilaginous when wet, testa reticulate or spongy. **World:** 70 spp., cosmop. **Aust.:** 7 spp. (4 spp. endemic, 3 spp. naturalized), all States.

1 Petals yellow; siliqua ± inflated, <10 mm long. ..... 1 *R. palustris*

1* Petals white; siliqua not inflated, >10 mm long.

2 Plants stoloniferous, aquatic to semiaquatic.

3 Seeds in 1 row per loculus, testa with c. 100 depressions per face; siliqua 15–30 mm long..... 2 *R. microphylla*

3* Seeds in 2 rows per loculus, testa with 25–50 depressions per face; siliqua 10–18 mm long. ..... 3 *R. nasturtium-aquaticum*

# DENKSCHRIFTEN

DER

KAISERLICHEN

# AKADEMIE DER WISSENSCHAFTEN

## MATHEMATISCH-NATURWISSENSCHAFTLICHE KLASSE

EINUNDACHTZIGSTER BAND

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WIEN.
AUS DER KAISERLICH-KÖNIGLICHEN HOF- UND STAATSDRUCKEREI.
1908.

Batrachium Trichophyllum

(Ranunculus Tricophyllus) Water,

1920 Oct. Plant growing in very damp place; has very much divided fine leaves on reasonable stalk. In new reserve Rosedale

# Bauera Rubioides (Wiry)

| | | |
|---|---|---|
| 1966 | 24 Sept | Flowering at Darlamurla |
| | 29th Dec | Still flowering at " |
| 1967 | 7th Jan | Flowering at Anderson Track, |
| | 26th July | " " Darlamurla, |
| | Oct 13th | " " Haberfouche |
| | Nov 25th | " " Andersons Track |
| 1968 | Oct 20th | " " Seninis Track, |
| 1969 | Jan 1st | " " Anderson's Track |
| 1970 | Jan 17th | " " " " Some flowers almost white while some are deep pink - not on same plants. |
| 1969 | Oct 12th | Flowering in Warragul area. |
| 1970 | Aug 29th | " at Darlamurla. |
| 1973 | Aug 25th | " " Boola Boola. |
| 1995 | Apr 12 | Growing in Drouin Water Reserve |
| 1996 | Aug. 31 | " " Jindivick hand-care area. |
| 2006 | Sept 30 | " " Senenis Track. |

Baumea acuta Pale Twig-rush.

1994 Nov 26th Plants in RPM block at Stradbroke on Sth Cypp. Hway.

1996 Nov 7th " " → Gifford Rifle Range.

Baumea gunnii Slender Twig-sedge

2002 Oct 13 Growing at Traralgon Sth Flora & Fauna Reserve

TLR/110/6mm.

Baumea. tetragona. Square Twig-rush

1987 April 22nd Collected in pines around dam at Giffard. Was Cladium tetrogonum in Willis & Black and then Machaerina tetragona before it is now Baumea. Stems rather slender with dense interupted spike. Panicle distinctly branched but dense on each branche.

Stems 4-angled at least at top.

1992 April 19th Collected with "seed head" in Swamp at Bustercamps. Stems heare were all 4 angled with "hollow" between edges and even base of culm 4-angled. ~~Stems~~ Some culms angular all the way. Culms 76cm. and stems 166 cm.

1993 June 26th Collected at Lyrebird Walk near stream in car park. Had no culms or panicle at this time of year.

arborescens

Bedfordia (Salicina) (Blanket-leaf)

1967 Jan 11th Flowering in Callignee Hills.
18th Seeds very light but in big heads.
~~1968~~ Dec 10th Flowering LeRoy
1969 Dec 15th " at Jeeralang Rd.
1970 Jan 1st " " Licola Rd.
Nov 23 Growing at Silly-Pilly Gully.
1972 July 22 " " Fairy Dell.
1978 Jan. Name change to B. arborescens as B. salicina endemic to Tasmania. Hochreutiner in Candollea 5: 332 (1934) [C. Beauglehole & R. Parsons]
1989 Apr. Plant growing near Ada Tree.
1995 Jan 15th Dargo weekend.
1996 Oct 12 Mt Hedrick
1996 Jan 20th Mt Hotham weekend.
1997 Jan 18th Mt Nugong.
1998 Jan 23rd Cicantipay weekend.

Muelleria Vol 10 2004

BEDFORDIA

There are now 3 species of Bedfordia. *B. arborescens* grows in Victoria, N.S.W., and Tasmania while the rest *B. salicina*, *B. linearis* subsp. *linearis*, *B. linearis* subsp. *oblongifolia*, *B. linearis* subsp. *oblongifolia* var. *oblongifolia* and *B. linearis* subsp. *oblongifolia* var. *curvifolia* are all endemic to Tasmania.

*Bertya cunninghamii* Sticky Bertya

1994 Nov 11. James Turner collected specimen in area near creek at Nicola school camp. Plant very sticky. Was in fruit at this time of year. leaves narrow-linear with very revolute margins, glabrous fruit oval .5cm long ± 3mm wide with groove down upper surface.

Sent specimen to Dr Parson as Cliff records MEL specimen as unsatisfactory.

tasmanica subsp vestita

Bertya (mitchellii) Mitchell Bertya.

1992 Jan 25th Growing in area near Mitta Mitta River up past Angler's Rest. Identified James Turner. Leaves with recurved narrow leaves. white hairy below. Growing on rocky knob.

2003 June Name change in 1st ed. Pinsus.

Berula? erecta

(Sium latifolium var. unirittatum) Water Parsnip.

1991 Jan 27th Plant in seed near Butcher's Creek on road to Gelanity

1993 Feb 26th Flowering at Shallow Inlet in marshy area.

Beyeria lasiocarpa Wallaby-bush.

1959 Sept 16th Plant growing on track to Mt Elizabeth. Tall shrub with long dark green leaves ♂ bare + paler beneath. It has ~~male~~ separate male + female flowers without petals on the same plant. Plant not flowering on this trip but capsule was present. Capsule ~~very~~ globular + very bristly hairy with calyx widely spreading around capsule.

Bejeria leschenaultii Turpentine Bush.

1972 Aug 27th Plant growing in Mt Arapiles area. A sticky shrub, leaves narrow linear rounded at summit appr. 3 cm long, glossy green + woolly beneath. Fruit globular subtended by the calyx with 5 broad lobes with midrib. Fruit tending to go black as it dries or ripens.

1973 March 17 Var. ledifolia Plants growing at Lake Tali Khan. Above but leaves recurved at edges and apex divided shortly. Branches reddish. Plant with green fruit.

Unknown water loving plant
from McLeods Korea has
flowered & becomes
Bidens Tripartita
Burr Marigold
old world herb/weed

Three lobed leaf — slight-
rayless yellow buttons.

Wasps have given up on house
wall & reopened garden site.
Treatment proceeding

Few welcome droplets rain
fruit cleaned spouts for me

Have wrested enough figs
from starlings to make
a few pots of jam

* Bidens tripartita. Burr Marigold

1989 Sept 15th Plant growing ~~+ flowering~~ in McLeods Morass, Bairnsdale. Flowers were flat on top with no noticeable rays although the books say it has small brown rays with yellow edges. Ellen writes in April 1990 to say she has grown and is flowering now. It is an introduced plant in the 1990 Census although it is not marked so in Willis + is written up in Jean's book. The flowers look like tight flat buttons + the leaves are 3-fingered. It belongs to the same family as Cobblers' Pegs + so must have hooks on long seeds. Plant is included in the old herb books.

Billardieria cymosa

1913 Sept 4th Climber with long leaves 2" long × ¼" wide soft, well spaced on branch. Plant only in bud, very like picture in Wildflowers of Victoria.

Billardiera ~~longifolia~~ longiflora (Purple Appleberry)

1967 April 29th Blue berries on plants at South Cascade long purple blue berries.

1969 May 2 Blue berries on plants at South Cascade

Dec 15th Flowering along Jeeralang Rd. lovely purple stamens visible just below the spread of the bell.

1970 Jan 24th Flowering at Burgoins Gap.

1971 Jan 17th " at Springs near Mt Useful. Plant had lots of flowers and at the end of plant had quite a few lovely purple blue berries. Bells have definite blue inside the bell.

1995 Apr 12 Growing in Drouin Water Reserve

# Billardiera Scandens

1966 23 Sept Flowering Traralgon South reserve
30th Oct " Rifle Range.
1967 Aug 13th " along Callignee Sth Road near Chester Park.
Oct 12th Flowering in T'gon Sth. reserve.
1968 June 9th " at Rosedale.
July 7th Plants found in pine plantations, quite well established but not flowering yet.
Sept 15th Flowering at Cormandale Reserve.
Oct 6th " " T'gon Sth Reserve
20th " " Chester Park.
Nov 3rd " " Moondarra
17th " and with seed capsules as well at Coll. Road
1969 Jan 5th Flowering Dead Horse Gully.
Aug 29th " Roadside near Granite Rock
Oct 4th " Cowwarr
12th " Tyrong North.
1970 Jan 18th In Berries at Serenis Track
Aug 23rd Flowering at Cormandale.
23rd " at Holey Hill Trig Pt.
Oct 19th " at Briagalong.
Nov 23 " at hilly-Filly Gully.
1971 Oct 10th " at A.P.M. reserve and also at Holey Hill Trig Point.
Oct 24th Flowering in Reid's Corner.
1972 Sept 10th " at Rosedale
1993 Jan 31. Growing around camp at Combienbar & also in the Errinundra N.P.
1994 Oct 28th Flowering in T'gon Sth Reserve.
1995 Apr 12 Growing in Drouin Water Reserve.
Oct 28th " " Warthaggi Heathlands

| | | |
|---|---|---|
| 1990/1 | Oct 12 | Mt Heddriek |
| 2000 | Dec 3rd | Growing in Sweetwater Creek Reserve. |
| 2001 | Aug 27 | " " Newborough bush. |
| | Dec 1 | " " " Sandy Creek. |
| 2004 | Apr 3 | " " Colley's Rd. Block. |
| 2006 | Sept 30 | " " Senenis Track |
| | Nov 4 | " " Springsure area. |

Blechnum cartilagineum Ciristle Fern.

| | | | |
|---|---|---|---|
| 1966 | Sept 27th | Darlamurla. | |
| 1967 | Apr 30th | Morwell Nat. Park. | |
| | Sept 10th | " " " | Wavy edges. |
| 1968 | Apr 14th | Home Bush. | |
| 1969 | Aug 31st | Willung South. | with sori. |
| 1966 | June. | Brutherm District | |
| | | Bulga Park | |
| 1970 | Aug | Darlamurla. | |
| 1972 | July 22 | Fairy Dell | |
| 1993 | Jan 31 | This plant is growing in fernhouse. | |
| 1995 | Apr 12" | Drouin Water Reserve. | |
| 2000 | Dec 3 | In Swallwater Creek Reserve. | |

(aggregatum) chambersii

Blechnum (lanceolatum) lance Water-fern

| | | | |
|---|---|---|---|
| 1968 | Feb 4th | Yerang Park. | |
| | 18th | Traralgon Creek Gully. | |
| | Apr 7th | Cook's Reserve | Fertile Fronds. |
| 1969 | Feb 9th | " | " |
| | Mch 29th | Sagasser Road. | |
| | Apr. 18th | Toronga Falls | |
| 1972 | July 16 | Tarra Valley. | |

# Blechnum fluviatile Ray Water-fern

| | | |
|---|---|---|
| 1967 | Apr. 29th | South Cascade |
| 1968 | Feb 4th | Yerang Park. |
| | Apr 7th | Cook's Reserve + fertile frond. |
| 1969 | Feb 9th | ~ ? |
| 1970 | Apr. 18th | Toronga Falls + Glen Nayook |
| | ~~May 29th~~ | ~~Darla~~ |
| 1972 | July 16 | Terra Valley |
| 1993 | Jan 31st | Errinundra |
| 1997 | " 18th | Livingstone Ck near Omeo. |

Blechnum minus. Soft Water Fern.

| | | |
|---|---|---|
| 1966 | Feb 27th | Bulga Park. |
| | Sept 24th | Darlamurla. |
| 1967 | Sept 10th | Morwell Nat Park. |
| 1968 | Apr 14th | Home Bush. |
| 1970 | Mch 7th | Waratah Bay. Soft Water fern fronds taper down stalk. |
| 1966 | June | Ramrod Creek. |
| 1970 | Aug 29th | Darlamurla. |
| 1993 | Jan 31st | Errinundra. |
| 1999 | Jan 23rd | Belantipy weekend |
| 2001 | Dec 8 | Sandy Creek Bush, Newborough. |
| 2002 | Nov 23rd | Hotley Plains State Park |

Blechnum nudum — Fishbone Fern

1966 Sept 24th — Darlamurla.
1969 Feb 9th — Cook's Reserve.
Mch 29th — Sagasser Rd.
1970 Mch 7th — Warrabah Bay. In these lusch surroundings the fronds become bipinnate giving fern a more lacy look. Also in this area ferns had trunks about 3' or more high. — suspect this is because they were old.
1966 May — Bulga Park
June — Brauthern District.
1970 Aug 29th — Darlamurla
Sept 26 — Near Chessum Rd Longford
Oct 1 — New reserve Rosedale
17th — Lily Pily Gully.
1971 Sept 3rd — Grampians.
1972 July 22 — Fairy Dell.
1993 Jan 31 — Errinundra
1995 Apr 12 — Drouin Water Reserve.
1990/1 Oct 12 — Mt Heddrick
1997 Jan 18 — Livingstone Ck near Omeo
1999 Jan 23rd — Cielanlipay weekend.
2000 Dec 3rd — Sweetwater Creek Reserve
2001 Dec 1 — Sandy Creek Bush, Newborough.
2002 Nov 25th — Holey Plains State Park.
2004 Apr 3 — Colley's Rd. Block.

# Blechnum patersonii — Strap Fern

| | | | |
|---|---|---|---|
| 1968 | Feb 4th | Yerang Park | |
| | Apr 9th | Cooks Reserve. | |
| 1969 | Feb 9th | " " | |
| 1970 | Mch 10th | Warrah Bay | Fronds 2 ft long. |
| | Apr. 18th | Glen Nayook. | |
| 1972 | July 16th | Yarra Valley | |
| | 22nd | Fairy Dell. | |
| 1993 | Jan 31 | Errinundra | |

# Blechnum penna-marina — Alpine Waterfern

| | | |
|---|---|---|
| 1970 | Jan 1st | Wellington River. |
| 1971 | Jan 17th | Cully before final climb to Mt Useful. |
| " | Jan 30th | Water-holes near water-courses on Howitt Plains. |
| 1972 | Feb. | Mt St Gwinear. |
| 1993 | Jan 31 | Errinundra |
| 1997 | " 18th | Livingstone Ck near Omeo. |

watsii

Blechnum procerum — Hard Water Fern

| | | |
|---|---|---|
| 1966 | Feb 21st | Bulga Park. |
| | June 17th | Different form on through road to Highway from Marlo. |
| 1967 | April 29th | South Cascade Fertile fronds too. |
| | Sept 9. | Morwell Nat. Park. |
| 1968 | Feb. 4 | Yerang Park. |
| 1970 | Mch 7th | Waratah Bay. very long fronds. Fronds do not taper down stalk but stop quite wide. |
| ? | Jan. | Mr Wolfe's swamp |
| 1966 | June | Marlo – unusual form. |
| 1970 | Apr. | Toronga Falls + Glen Nayrok |
| | Aug 29th | Darlamurla |
| 1972 | Feb. | Mt. St. Gwinear. |
| | July 16 | Tarra Valley |
| 1978 | Jan. | Name change to B. wattsii. M.D. Tindale Contra. M.S.W. Nat. Herb. 3(4): 247 (1963) [C. Beauglehole + R. Parsons] |
| 1993 | Jan 31 | Errinundra |
| 1995 | Apr 12th | Drouin Water Reserve. |

Blennospora drummondii (Calocephalus drummondii)

~~Myriocephalus~~ ~~rhizocephalus~~ Dwarf Beauty-heads.

1921 Sept 2 Flowering or almost so at Mt Arapiles Small plant about 2 inches high. leaves linear and circular about 4 cm long Upper ones much longer than the sessile flower head. Flower head whitish with many pointed bracts Grey to whitish plant. Calyx very woolly.

Blennospora drummondii

Bolboschoenus fluviatilis Stream Club-sedge

2000 Apr 11th Growing in Heyfield Wetland. Written up in Grasses & sedges book.

Boronia algida. Alpine Boronia

1996 Jan 20th Flowering on Mt Loch track

# Boronia (Dentigera) Anemonifolia (Toothed)

1966 Sept 14th. Flowering along Racecourse Rd. Rosedale. leaves divided into 3 at point. Flower deep pink + perfumed.
Black bush fly found in centre of flower, could be pollanating flowers.

1967 Sept 16 Flowering along Lime Pit Rd Rosedale.

1968 June 9th " " " " "
Sept 15th " well " " " "

1969 Feb 16th " " " " "
May 10th A few flowers along " " "
18th " " " at Willung South.
Aug 9th " " " Rosedale.
Sept 13th Flowering beautifully at Longford + Rosedale.

1970 March 24th " along Lime Pit Road + Chessum Road
May 25th Flowering at Old Port Road, Willung.
Aug 23rd " at Rosedale.
Sept 5th " at New Area Rosedale.
14th " " at Ritson Road
26 " " at Longford near Chessum Road.
Oct 1. " " New Reserve Rosedale
Oct 17th " at Briagalong. Tiny flowers ½ cm wide white or very pale pink. leaves same shape but infinitely smaller only ½ cm from branch to tip of leaf. Flower stalks longer than leaves. A tiny plant only about 6" high with spreading branches up to 1ft long.

1971 June 6th Just commencing to flower. For first time we found seed pods on these plants - not many but a few on a large number of plants. Seed boxes 4-lobed a light green as yet.

1995 Oct 29th Flowering along Insolvent Track for app 2.3km.

| | | |
|---|---|---|
| 1971 | Oct 10th | Flowering at Rosedale |
| 1972 | May | " " Willung South. |
| | Sept 10" | " " Rosedale |
| 1975 | May 13th | " " " |
| 1994 | Nov 9th | Licola weekend. |
| 1996/1 | Oct 12 | Mt Heddrick |

2003 June In 7th ed. Conser there are 3 subsp of this species
In Muelleria 17 2003 B. anemonifolia is in the key on page 22 but is no further discussed except as footnote # on p. 23.

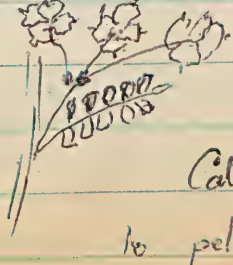
2002 In Muelleria Vol 16 2002 detailed key & description of subsp. of B. anemonifolia. This is the paper referred to in 2003 above.

Boronia galbraithiae

1992 Oct. 11th. Plant brought from Insolvent Track area by Lyn + Bill Wilson of Moe to Jean Galbraith. See letter over page from herbarium to Jean. Ollie photographed specimens.
My description as I see it is:-
leaves pinnate of 6 pairs of leaflets with one leaflet at the apex. Leaves opposite + branchlets also growing from same junctions. Leaves do not appear to have an aroma. Leaflets with tiny teeth - whole leaf 2cm including stem of 4 mm. Leaflets glabrous broadest at apex. Branches glabrous slightly ridged with pimples in about 5 rows around branches.

Leaf stems same.

Flowers: of course + petals white to pink. Petals broad so that they touch each other making a cup. Apex of petal a point. Ovary dark green with white hairs. Filaments white, hairy + stamens very deep golden colour + joined or touching above ovary. Very mature flowers have stamens beginning to separate. Backs of petals in pink form very rosy pink. Flowers arranged on long pedicles often in 3s. from leaf base. forming a long section of flowers ~~on end~~ along branches. Flower stalks longer than leaves in that section leaves 15 mm Flowers 20 mm.



Flowers also on tips of side branches.
Calyx small app 1mm each segment, close to petal. 2 Bracts where flower stalk leaves common stalk.

1995 Oct 29th Flowering along Insolvent Track for app 2.3 km.

1st sighting of Boronia was 1.9 km from Mt Ray Road on the left-hand side. At .3 km further on was a large area of the Boronia with plants up the hill on left-hand side + then another area on right-hand side. These slopes faced south and South-west. Plant were quite a way down the hill on right-hand side but no plants were observed on top or down the other side of the ridge. Although we found plants growing in the middle of a track on right-hand side we could not find any plants on right-hand side at 1.9km area + surmise this may be because of the disturbance when road making. We did observe plants seemed taller where there was a slight watercourse across the track.

No Boronia seen from road until .1 km past Bullant Ridge Track + then here we did another survey. lots of plants on west slope, both sides of road, and even healthier than previous site.

Last of Boronia plants ~~for~~ another .7 km along road. Just one plant after that.

Our trip meter read 1st sighting 21.5 1st site surveyed 21.8 Bullant Ridge Track 23.0 2nd site surveyed 23.1. more Boronia visible from car 23.4 + last sighting 23.8.

2003. In Muelleria Vol. 17 2003 B. galbraithiae is in key on page 24 + description etc on p. 114

1993 In Muelleria Vol 8 1993 B. galbraithiae + B. citrata are both described with diagrams p. 21.

Department of Conservation & Environment

Your Ref:
In reply please quote:
Contact:

Royal Botanic Gardens and National Herbarium

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Miss Jean Galbraith
'Dunedin'
Tyers 3844

15th Jun[illegible]

Dear Jean,

You may have been wondering about the *Boronia* you sent in March or April to Helen Aston which ultimately ended up in our hands. Apologies for the long delay in responding to your enquiry, but it has been the cause of considerable interest and some activity, so that we have not been be able to provide a satisfactory answer before now.

Firstly, the specimen you sent turned out not to be *B. microphylla*. Although superficially resembling that species, the material from Mt Difficulty area is quite glabrous, and although the general leaf size agrees with *B. microphylla*, the non-apiculate anthers, the shape of the leaflets and their glandular-denticulate margins distinguish it. It appears closer to *B. muelleri* with which it has mostly been placed in the past, but differs in the smaller, denticulate leaflets and in the odour of the foliage which is distinctive and rather reminiscent of Fennel.

In the course of then trying to find a good match for your specimens, we compared it with *B. citriodora*, which, although obviously differing in aroma and other features, has a similarly restricted occurrence in the general area, and we thought it may have offered some clues. Our next discovery was very unexpected, that is, those plants previously referred to *B. citriodora* in Victoria, are not in fact that species, despite the almost identical delicious lemon aroma (if anything stronger in our specimens)!!

After these realizations, we could not resist a flying visit to see both of these plants in the field and convince ourselves that the herbarium material we were examining was quite typical. It seems that the Mt Difficulty *Boronia* has been the cause of some uncertainty for years. We found material of it (all from the same site) amongst folders of several other species. Unfortunately, the timing of the visit did not allow us to call in to see you (and thank you 'for serving the cats amongst the pigeons') at anything resembling a reasonable hour (unless you've adopted a completely nocturnal way of life), although we did pass your gate.

Seeing the plants in the wild confirmed the typicality of our herbarium specimens, and luckily, enabled us to gather good flowering material of both species. From the condition of the plants we saw and checking the dates of earlier collections, it seems that both of these *Boronias* trickle a few flowers

throughout the year, but have a peak during spring when the flowers are both more numerous, often larger, and also often arranged in inflorescences of a slightly different form.

The Mt Difficulty site seemed quite an unremarkable habitat for what appears to be a species of very restricted occurrence. We found plants growing up to about 2 km beyond where the *Boronia* is first noticed along the Insolvent Road, but, despite searching similar sites in the vicinity, nowhere else. It would be surprising however if it did not occur on some adjacent, unroaded ridges which we had not time to explore. Visiting one of the two known sites of the lemon-scented plants caused us to wonder why people had not questioned its identity in the past. Apart from the smaller leaflets, hispidulous vegetative parts, shorter style and hairy ovary, it differs significantly from *B. citriodora* in its habitat - high and dry on hungry ridgetops rather than the rather sodden, often peaty soil which the Tasmanian species usually inhabits.

The upshot of all this preamble is that we now have two new *Boronias* in Victoria, both endemic across a narrow geographic range, and each, as far as we know, occupying not much more than about 20 acres, but locally quite plentiful.
We have decided that the lemon fragrance for the Mt Margaret-Mt MacDonald species is too much an irresistable character and have suggested it be called *B. citrata*, hoping that its Victorian endemism will avoid confusion with the Tasmanian species. For the other species, we couldn't really improve on Evan Chesterfield's suggestion of *B. galbraithiae*, hoping you will not disapprove of this recognition of your contribution to this saga and to your many years of devoted interest and inspiration to others of the Victorian (and particularly Gippsland) plants. The species will be published in the next issue of *Muelleria* (probably about February next year). You will receive a copy as soon as it is published.

We hope this news is well received and that you are now enjoying the benefits of the eye operation which was causing you some difficulty when you wrote to Helen.

With our best wishes.

David Albrecht

Neville Walsh and David Albrecht.

Department of Sustainability and Environment

# Aniseed Boronia

## *Boronia galbraithiae*

A nationally threatened species

Aniseed Boronia *Boronia galbraithiae* is a small shrub endemic to Victoria which was found by renowned Gippsland-based botanist Jean Galbraith, after whom the Boronia is named.

It is found in elevated, dry open forests to moist riparian gullies, with the only known populations occurring between Stockdale and Dargo in Gippsland. These populations are at three locations, within a 5km radius, and contain approximately 15,000 individuals. Therefore Aniseed Boronia is considered rare in terms of distribution and abundance.

### Conservation Status

Aniseed Boronia is listed as Vulnerable under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* and is listed under the Victorian *Flora and Fauna Guarantee Act 1988*. The Advisory List for Victorian Rare or Threatened Species also lists this species as Vulnerable (DSE 2006).

### Description

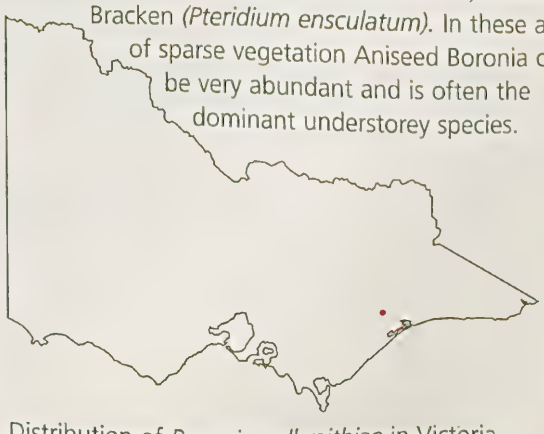
Aniseed Boronia is an erect glabrous shrub, which typically grows to about one metre in height (rarely to 2m). One of its distinctive features is a strong fennel-scented aroma, which is obvious when the leaves are touched. The leaves are opposite and divided into 5-11 leaflets, and the leaf margins are finely toothed.

Flowering occurs in the spring, with white to deep pink 4 lobed flowers, which are up to 15 mm wide.

Boronias typically disperse their seeds through explosive release, and therefore seeds are not spread over a wide area. Aniseed Boronia has been observed regenerating from rootstock after a low-intensity fire, with some new seedlings also being noted.

The plants habitat is typically elevated dry open forest sites which are dominated by Yellow Stringybark *(Eucalyptus muelleriana)* and Silver-top Ash *(Eucalyptus sieberi)*. Additional populations have, however, been found in riparian and moist forest habitat.

It appears to favour areas with sparse vegetation and is often excluded by other vegetation, for example thick stands of Rough Bush-pea *(Pultenea scabra)* and Austral Bracken *(Pteridium ensculatum)*. In these areas of sparse vegetation Aniseed Boronia can be very abundant and is often the dominant understorey species.



Distribution of *Boronia galbraithiae* in Victoria (Source: Flora Information System, DSE 2004)

Natural Heritage Trust
Helping Communities Helping Australia
A Commonwealth Government Initiative

West Gippsland Catchment Management Authority

Victoria
The Place To Be

# Aniseed Boronia *Boronia galbraithiae*

Aniseed Boronia about to flower

Typical dry open forest habitat

## Decline and Threats

The threats to known populations are considered to be low, as the habitat is in good condition and is located in State forest.

Activities that may threaten the Aniseed Boronia include inappropriate fire regimes, road works and limited distribution of knowledge regarding its location.

Further information is required to determine a suitable fire regime for long-term conservation of the species, as frequency and intensity of fire may threaten the population. Fire management activities, including wildfire response and planned burns, will be implemented to minimise impacts on the species.

As all three populations occur adjacent to roads (but continue all the way down the spur), future road enhancement and/or construction associated with these road and fire management activities may affect a proportion of individuals.

The location of the species is not widely known and this could potentially have the largest impact on the populations. Education and knowledge dissemination will therefore play a key role in its conservation.

Invasive or environmental weeds are not considered to be a threat to this species as all sites consisted of relatively undisturbed indigenous vegetation with little or no weed invasion.

## Similar Species

Aniseed Boronia differs from the closely related *Boronia muelleri* (Forest Boronia) in its consistently shorter leaflets and the difference in the leaf shape. *Boronia muelleri* grows much taller than *Boronia galbraithiae* and it prefers moister, more sheltered habitat. The odour of the two species is also distinctly different.

## How can I help?

- If you believe you have found *Boronia galbraithiae*, please contact your local DSE office
- Don't pick the flowers from the plant
- Keep vehicles to formed tracks when travelling through the bush
- Collect firewood from designated firewood areas.

## Why are threatened species important?

- Species diversity is an essential component of ecosystem health. Any loss of species is a reduction in our overall biodiversity, which in turn can affect ecosystem processes such as nutrient cycling, carbon dioxide/oxygen balance and control of pests and disease.
- Threatened species are often indicators of vegetation types that are also threatened and any works to protect these individual species will also benefit the vegetation community they belong to.
- Threatened species can often have other species dependant on them for their survival.
- The majority of our threatened species are endemic to Australia, that is, they do not occur anywhere else in the world, and without intervention and pro-active management, these species will most likely become extinct.

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For more information contact the DSE Gippsland Regional Office, 71 Hotham St Traralgon

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**www.dse.vic.gov.au**

Boronia ledifolia — Showy Boronica

1989 Sept 16th — Flowering profusely on rocky slope of Mt. Elizabeth but not at the top but further down the mount. Beautifully deep rosy pink bushes up to 4ft. Leaves when squashed had "perfume" not in keeping with its beauty.

1999 Jan 23rd — Flowering on Gelantipy weekend. Identified from specimens brought back. No.

1999 April 26th — James Turner identified above specimen as Boronia nana. Willis says 1st division in key is leaves in threes which I missed as not on common petiole. even then Boronia nana var hyssopifolia is not in threes.

1999 In Muelleria Vol 12/1 1999 key to Boronia sect Valvatae includes B. ledifolia p. 56 for description In key twice P. 10 & P 13.

Boronia Muelleri (Pink)

1967 Oct 13th Flowering at Labertouche. Tall shrub with pale pink flowers.

1970 Oct 17th Flowering at Briagalong. Identified by Mr Cane. Beautiful pink specimens some very deep, buds almost mauve. Leaves pinnate, opp pinnae, leaves also opp. Flowers from leaf bases. Plants no more than 2ft high but up to 3ft across. Also white variety in same area, pure white, even buds.

2003 In Muelleria Vol 17 2003 B. muelleri is in key on p.23 + description etc on p.67.

Boronia Nana. Waxy

1967 Jan 14th Found flowering 5m's from Early Road along Anderson's Track. Tiny plant about 6' to 8' high with flowers all up the stem (I think at leaf bases) Miss Galbraith identified. Mr Rodgers brought some down also this month.

1968 Nov 3rd Flowering along Senini's Track

1989 Jan 14th Flowering at Wulgulmerang. This was var. hyssopifolia leaves simple, not trifoliate, staminal filaments hairy.

1992 Jan 25th Flowering on rocky knob near parking place near river up road towards Buckety Plain from Angler's Rest. Plants bigger & taller than what we are used to in our area.

1999 Jan 23rd Recorded from Gelantipay weekend, Boronia this weekend had to be B. nana var hyssopifolia as leaves not in threes but less than 2cm. Ours actually 5mm. Petals supposed to be twice size of calyx lobes In our specimen pedicle was longer than leaves leaves were very raised on underside with ridges & hollows but no definite pattern. Supposed to be glabrous but needed microscope to ascertain this as glistening spots on leaves looked like groups of hairs under handglass. Couldn't see staminal filaments in pressed specimen.

2003 In Muelleria Vol 17 2003 B. nana is in key on p. 22 & on p. 47 there are key & description of 3 varieties with notes,

Boronia parviflora:

1969 Sept 27th Flowering at Celliondale. Tiny flower growing very close to ground but this could be because of grazing. Sepals were in between the petals. 8 stamens. leaves fairly thick, boronia smell, green to red with red stems. Petals smaller than sepals - sepals quite conspicuous.

1995 Oct 28th Growing on Wanthaggi Heathlands

1999 Oct 23rd Flowering " Cellion's Run

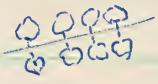
2003 In Muelleria Vol. 17 2003 B. parviflora is in the key on p. 23 and on p. 34 the description and many notes taking up 2½ pages.

Boronia pilosa — Hairy Boronia

1972 Aug 25th Flowering in the Little Desert.
leaves pinnate with 5 - 7 pinnae
Pinnae curled back hairy about ¼" long.
Flowers deep pink, open, waxy. 4 petalled,
8 stamens, axillary & terminal
Branches hairy. Calyx hairy about ⅓ as
long as petals. Foliage aromatic

2003 In Muelleria Vol 17 2003 B. pilosa is in the key on p. 25 + description starts on p 91. There are 4 subsp in a key with descriptions of each. 3 of the subsp. occur in Victoria.

# Bassicea Buxifolia

1961 June 20th Found on King H'way. Low matlike plant. leaves heart-shaped, tiny, dark green with greyish green underneath, no more than 2 mm wide. leaves appear to be opposite on the branches  but the branches are alternate. Stipules hairlike at leaf bases.

1972 Jan 30th Flowering at Mt Hewitt

1994 Nov 9th Licola weekend.

1999 Jan 23rd Recorded from Gelantipy weekend.

Bossiaea Cinerea (Showy)

1966 Flowering Early August in our reserve
1967 Aug 27th Flowering in APM reserve only few flowers but many buds.
Sept 17th Flowering at Rosedale. Flowers ½ inch across and crowded. Leaves ¼ inch wide ½ in. long.
Oct 1st Still flowering T'gon Sth Reserve
8th " " A.P.M. bush and plants with small flat pea-like seed pods.
1968 Aug. 18th Flowering at Giormandale
Sept 28th " " Datsun Downs.
Oct 5th " " A.P.M Bush.
25th " in T'gon Sth Reserve.
1969 May 10th In bud on Lime Pit Rd. Rosedale.
Aug 9th A few flowers fully out at Rosedale.
29th One plant in full bloom at Providence Ponds.
31st Many plants in bloom in APM. property at end of Cochranes lane.
1970 Aug 9th Flowering at A.P.M. reserve.
" 23rd " at Giormandale. Plants in full flower.
" 23rd Flowering at Haley Hill Trig Pt.
Sept 5 " " New Area Rosedale
13th " in Traralgon South Reserve.
14th " " Datson Road Area.
19 " " Call. Sth Rd.
Oct 1. " " New Reserve Rosedale
1971 Aug 15th " " APM. Reserve.
Oct 10th " " " " but almost finished, but at Rosedale it was in full bloom.
Oct 24th Flowering at Reid's Corner.

1972 Sept 10th Flowering at Rosedale.
1975 Aug 30th " " Mullundung.
1994 Nov 26 Plants in RPM block Stradbroke on Sth Gipp. Hway.
1995 Oct 28 " " Wonthaggi Heathlands.
2001 Nov 3 " " Newborough Bush.
Dec 5 " " Bob Johnson's Bush Newborough - near Sandy Creek.
2002 Nov 23 " " Holey Plains State Park
2006 Sept 3 Flowering at Wonthaggi Heathlands

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# Bossiaea foliosa — leafy

1970 Jan 1 — Flowering at Tamburetha Saddle. leaves very small round. shinging giving a fern like appearance. Stipules as long as or longer than leaves + read.

Jan 24th Plant with seeds at Wulgulmerang. Pods round green covered densely with long brown hairs. Calyx deep red.

1971 Jan 30 — Plants on Mt Hewitt Hike.

1973 March — " at Lake Tali Khan.

1992 Jan 26th — " in seed on Bogong High Plains Pods, etc as above.

1996 Jan 20th — At Mt Hotham village.

1997 " 18th — At Bentley's Plain.

1999 " 23rd — Flowering on Cielanlipay weekend. Identified from specimens brought back.

Bossiaea Heterophylla. (Variable B.)

1967 April 1st. Flowering near Golden Beach turnoff. Very few flowers.

Sept 16th In seed along lime-pit rd. Rosedale.

1968 June 9th Flowering with lots of buds, some flowers and many seed pods. Stem almost flat, leaves approx ½" long with edges curled upwards, not stiff but quite soft when touched, alternate, with short stems. Flower very wide standard yellow inside but red outside. Two side petals tiny about ⅓ length of keel, more reddish than standard. Keel very dark red almost black at tip. Flower on stalk about ¼" long dark red. Buds a beautiful red. Pods flat about ½" long red almost transparent if held to the sun with long thin point to end of pod. (Was flowering along lime-pit road.)

1969 May 10th In full flower along Lime-pit Rd. Rosedale

Aug 29th " seed at Providence Ponds

1970 May 25th Flowering along near Lime Pit Road.

Aug 23rd Many seeds on Plants at Rosedale

1971 June 6th Flowering in profusion at Rosedale.

Oct 10th In seed at Rosedale

1972 April Flowering in Rosedale.

1973 May 13th

1978 May 1st " " Holey Plains State Park along

road the leaves Longford Road by crossing outfall sewer with natural bush on both sides Plants were 3ft high and made a lovely display. leaves less than ½" long and only on tops of branches.

obcordata.

# Bossiaea (Microphylla.) Spiny Bossiaea

1968 Sept 28th Flowering at Dalrson Down Farm Wildflower reserve.

This plant grew about 1'6" high. Was quite prickly due to point on end of each small branch. Plant very stiff & much branched. Stems bluish green and flattened & tough. Branches leaving main branch alternately, almost in one plane, then these smaller branches are branched again at right angles to main branch

While it looks like a fern it is not flat in one plane but in two. Each branch big or small is flattened and ends in a very sharp spike about 2mm long. Black Δ thorn-shaped stipules at base of leaves. Leaves very tiny - longest 4mm - heart shaped with deep groove down centre & leaf curled upwards, leaf attached by point ♈. Leaves alternate sometimes tending to hug the stem or branch. In some cases the small branches branched again.

Flower with united stamens - colored inclined to be reddish that is stamens. Flower yellow and red rather than brown. Flower app. 1cm long keel very dark maroon, standard yellow front, red behind, wings tiny reddish inside dark red outside 5mm by 2mm approx. as long as standard. Flowers stalked and singly at leaf bases. Calyx approx 4mm long top two lobes longer than bottom 3 and whole very reddish

No spikes except at ends of branchlets.

1990, Oct 12 Mt Heddrick

1995 Oct 25 " "

obcordata.

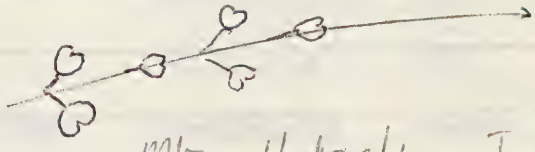
Bossiaea Microphylla. P.3 (Spiny)

1967 June 20th Plant found on King H'way between border & Eden.
leaves alternate, erect shrub. Main stem of branch
slightly flattened, side branches regular alternate &
each one ending in a long fine penetrating point.
Even smaller branches from side branches end in same
point. Whole plant very prickly. leaves tiny about
2mm each way and heart shaped

1968 Sept 28th Flowering at Dalton Downs. see previous page.

Bossiaea obcordata P5. - spiny Bossiaea

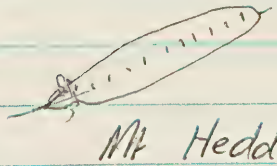
1989 Sept 16th Collected specimen on trip up to Mt. Elizabeth. Very spiny plant as each branchlet ends with a stiff pungent point. Flowers small with deep red colour in bud. Leaves heartshaped in pairs, each leaf attached by point of heart.



1991 Oct 12th Flowering on Mt Hedrick, I think before we left for the climb.

# Bossiaea Prostrata (Creeping)

1966 Oct 8th Flowering at beginning of Callignee 5th road.
Oct 15th All yellow variety flowering opp Chester Park not far from ordinary variety.
1967 Oct 22nd Flowering along Clark's Rd.
1968 Oct 15th " at Flynn.
" 20th " " Mathingleys Hill & Clarke's Rd.
Nov 10th " " Clarke's Rd.
1969 Aug 29th " on roadside near Ciranite Rock.
Oct 4th " at Burgoin's Gap.
" 18th " " Rosedale.
Nov 2nd " " Briagalong also pods on plants.
1970 Oct 11th " " Heyfield
1970 Aug 15th " in RPM Bush behind house
Sept 19th " in full bloom in T'gon 5th. Reserve and Whitelaw's Track, T'gon 5th.
1971 Oct 10 Flowering new reserve area Rosedale
" 24th " at Reid's Corner
Nov 12 " " Flynn
1979 ~~Sept~~ 10th Recorded with Dr. Parsons for X
1994 Nov 1 " in Casuarina Reserve Fidham
Oct 30 " " Dawson Water Reserve
" " " " Raay "
1995 Dec 1 Plants in seed on Clarkes Road
Pods are elongated with very fine hairlike point at apex. Calyx lobes persistent. 10 seeds in pod & obvious while pod is green, don't know what happens when it dries.



this size.

1990's Oct 12 Mt Heddrick
1995 Dec 19" Growing on Railway line Reserve, T'gon
2001 Nov 3 " " Bush Block Newtonough.

2002 Nov 23 Growing in Holey Plains State Park
2006 Sept 30 " " Senecis Track

Botrychium lunaria Moonwort.

1970 Jan 25th The Cobberas.

Brachyloma ciliatum (Fringed Heath)

1969 Aug 29th Flowering at Granite Rock.
Identification verified by Miss Galbraith.

# Brachyloma Daphnoides (Daphne Heath

1966 25 Sept Flowering at Cowwar.
1967 1 Sept Flowering in Heyfield Reserve
Plants about 1' high, leaves ½" inch long. Bells
app. ½ inch long pale cream.
Nov 5th Flowering at Cowwarr.
1968 Sept 28th Flowering at Dawson Downs.
1969 Aug 29th In bud at Providence Ponds.
Sept 13th Flowering at Rosedale
Oct 4th " " Cowwarr.
Nov 2nd " " Briagalong
1970 Oct 1 " New Reserve Rosedale
" " " at Heyfield
17th " " at Briagalong.
1971 Oct 10th " " at Rosedale
1972 Sept 10th " " "
1978 May 9th " in Holey Plains S.P. only
a few flowers yet.
1994 Nov 26 Plants growing in APM block Stradbroke 5th Cupp Hway.
Oct 30 " " " Dawson Water Reserve
Nov 9th " " on Licola weekend.
1995 Oct 29th Flowering along Freestone Creek Road about ½ way
between Insolvent Track & Blue Pool Reserve
1996 Oct 12 Flowering Mt Heddrick

Brachyloma ericoides — Brush Heath

1971 Aug 28th Flowering throughout the Grampians Ranks usually about 2ft high.

1972 Aug 27th Flowering in Little Desert.

# Brachycome aculeata

1972 Jan 30th Flowering at Mt Howitt.
1974 Jan 29 " " Buckety Plains
1978 Jan "This species is considered a distinct species. Plant many branched, rays white above mauve below. [C. Beauglehole & R. Parsons]
1985 Nov 2 Flowering in high country near Tamboritha. Identified as B. stricta by J. Galbraith and this species is now included in B. aculeata.
1987 April B. stricta is included in above species but B. scarpiformis is now recognized as a separate species again. Differences. B. scarpiformis chiefly single stems rays wholly blue.
1988 Aug 3rd Recorded with Dr. Parsons T17 Onley's Rd.
1992 Jan 25th Flowering at Buckety Plains.
1994 Nov 17th " " Licola. Leaves toothed tapering into petiole, broadest at apex. Achene winged. Flowers white or blue. Leaves on lowest part of scape but upper scape for more than half-way bare. Plant with small hairs.
1995 Apr 12th Growing in Drouin Water Reserve
1995 Jan 15th Dargo weekend.
1990/1 Oct 12 Mt Hedderick.
1999 Jan 23rd Recorded on Gelantipy weekend. Identified from specimens brought back.

(spathulata) aculeata

Brachyscome (stricta.) Erect Daisy.

1970 Jan 2nd Flowering at Tamboritha Saddle. Purple daisy - count ray florets. Miss Galbraith says 30 or under.

Jan 24th Flowering at Rocky Plains, Wulgulmerang -

1971 Jan 30th " " Hawitt Plains. lovely large purple flower with 23 rays, lower leaves stalked, all toothed, broadest at tip. hast 4 ins leafless. leaves without stems. Plant branched.

This plant is included in B. aculeata. now.

aff formosa entities 1 v 2

## Brachyscome Angustifolia var heterophylla

1967 Sept 25th. In flower near Glormandale.

1968 Jan 12th Still flowering in bush at Back of House and in garden

Oct 20th Flowering in Shingle Ck. Reserve.

Nov 10th " along Clarke's Rd

1969 Jan 5th " Dead Horse Gully

Apr 4th This flower has been flowering in most places over last few months. Flowers are very small. Seen today along Calligree Road. Found some specimens with brown ray florets of spent flowers.

~~Sept 2~~ Oct 3rd Flowering along Walhalla road just out of Tyers.

1970 Nov 23 Flowering at Silly Filly Gully.

1971 Oct 10th " Rosedale

24th " Reid's Corner

Brachyscome Cardiocarpa (Swamp Daisy

1966 Sept 9 Flowering along Clark's Rd.
(leaves grasslike)

1967 Feb 6th Flowering at Erica – strap like leaves 1" diameter flower 10" high.

Sept 24 Flowering along Callignee Sth Rd
Pink back of petals.
Calyx - petal-like outlined with black or maroon
Petals - Pale pink or white.
leaves - all basal up to 4" long 1" wide
Flowers up to 2" across

1968 Oct 6 Flowering in swampy area at Tigan Sth Reserve.

1969 Sept 14th Flowering at Wilson's Prom.
" 19th " at Reid's Corner.

1971 Sept 2nd " on McKenzie Falls trip in the Grampians.

1995 Oct 28th Growing & flowering in Wonthaggi Heathlands

BRACHYSCOME

There is separation of some of these species into three new genera with *Brachyscome cardiocarpa* and *B. uliginosa* into Allittia; *B. latiisquamea* into Pembertonia and a new species under Hullsia. Hullsia is a Northern Australian distribution and Pembertonia has a W.A. distribution; but both Allittia occur in South-eastern Aaustralia.

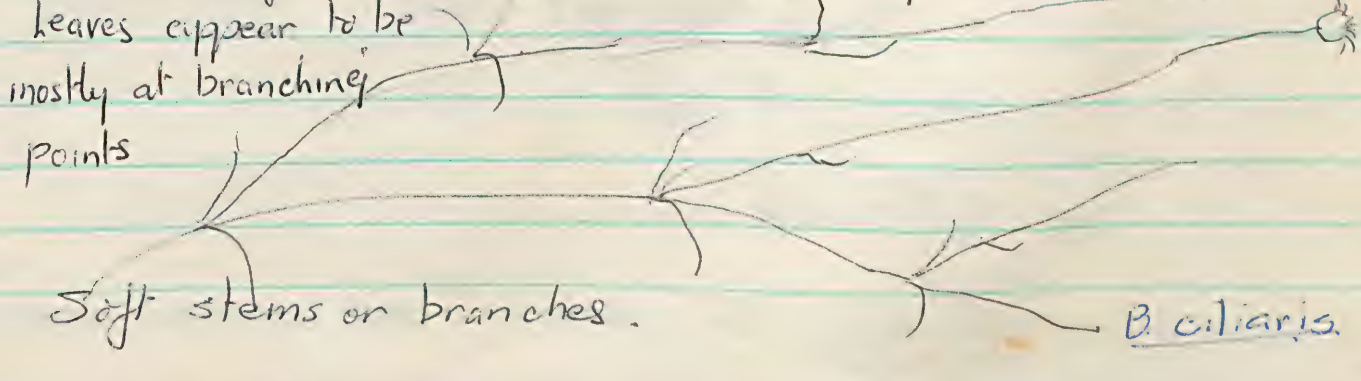
Muelleria
Vol 20, 2004

Brachyscome ciliatus  Variable Daisy

1985 Sept 23rd. Plants growing near Grevillea site along Glenmaggie Weir Road to well. Flowering at this time. Plant branched; rays florets about 40. This was B. parvula.

1985 Nov 29th Plants flowering at Dawson up the railway reserve some distance from where station was, on left side moving away from Dawson. Similar to B. parvula but growing in a wet area & larger plants though not larger flowers. Sent specimens to Dr. Parson's no card. Neville Scarlett identified, sent photostate of achenes which were tuberculate but not dimorphic - our specimen had only achenes like ray florets - none with wide wings.

1989 Sept 23rd Plants growing at Seaton. Do not key out exactly to B. ciliatus but after N. Scarlett's letter (under B. parvula) we assume it is B. ciliatus. Ray florets app 22, involucral bracts broadest at tip with ragged outline at top & sometimes ciliate with hairs down side. Achenes with few tubercles & narrow wings, even on disc florets. Stem from last leaves or branching place to flower leafless, glabrous & app up to 5" long. Leaves linear with some distant teeth, sometimes only 2 to leaf, blunt apex, 3/4" long. Much branched plant with flower head at end of each branch. Ray florets purplish, especially on the backs.



1994 Oct Recorded in Dawson R'way Reserve

**La Trobe University**

**DEPARTMENT OF BOTANY** TELEPHONE 478 3122

13 June 1986

Dear Bonfolle,

I don't think I have written to you about the specimens you gave me last time I saw you.

The Brachycome specimens have to be classified as part of the B. ciliaris complex! Although these plants don't have 'dimorphic' achenes as in B ciliaris in the strict sense, Phillip Short at the Herbarium has told me they fit best into B. ciliaris, pending a revision of the genus.

I have collected similar material from the railway line near Maffra and at Deep Lead Flora Reserve near Stawell, so this 'B. ciliaris' type is quite widespread.

B. parvula has achenes without any tubercules on the face, though it sometimes has some hairs.

It will be some time before some of the taxonomic problems get sorted out!

Best wishes

Neville S.

BUNDOORA / VICTORIA / AUSTRALIA 3083. TELEGRAMS AND CABLES: LATROBE MELBOURNE

Brachyscome Decipiens (Field Daisy)

1966 Sept 9th Flowering along Clark's Rd.
1969 Sept 4th " at Wilson's Prom.
1970 Jan 25th Flowering at the Cobberas.
Flower white, leaf wide.
1971 Jan 30 Flowering at Mt Howitt Hike.
leaves all basal, rather tough and shiny on upper surface, fairly dark green.
leaves tapering into stems, slightly rounded lobes sometimes, otherwise just usual lobes. leaves 2"± long.
Flower stem almost 1ft high.
Aug 29th Flowering in the Grampians
1992 Jan 26th Flowering on Bogong High Plains just like illustration in "The Alp in Flower".
1995 Jan 15th Flowering on Dargo weekend.
1996 Jan 20th " " Mt Hotham weekend.
1997 " 18th " " Livingstone Ck near Omeo.
Mar 5th Growing in APIII Reserve - Grand Ridge Rd
1999 Jan 23rd Recorded from Gelantipy weekend.

Brachyscome Diversifolia (Tall)

1966 Oct 16th Flowering along Giormandale Rd. (At the side road at the bend.)

1968 ~~Oct 6th Flowering in swampy park~~

Oct 13th Flowering at Cowwarr (hope this is right identification). Flower purple leaves toothed up to 2' long.

27th Flowering at Reed's Rd. Corner. Very tall white daisy with smooth stem. Growing in damp area.

1970 Jan 24th Flowering at Wild Dog Creek, Wulgulmerang

Oct 17th " " Briagalong.

~~1976~~ 1977 Jan 20th Recorded with Dr. Parsons. T.

Brachyscome Graminea.

1967 April 1st. Flowering at Sperm Whale Head. White daisy with purple ~~black~~, can be pink or mauve: leaves grooved and lanceolate, all up stem. Flower shalk long 1" from leaf base. Very branched plant.

1968 Aug 31st Flowering at ~~Glengarry North~~ Licola Rd.

1970 Mch 8th Flowering at Sandy Point near Walkerville. These flowers were mauve with not too many - about 16 - ray florets. Flowers on stem about 1½" long. leaves were broad at top tapering to long petiole-like end ~~~~ about 7 cm in all. Plant much branched with many leaves + few flowers.

1976 Sept 24th Flowering near lake Glenmaggie. Identified by Miss Galbraith.

1980 Mch 29th Flowering in ~~Sym~~ Smythe Reserve. with B. radicans.

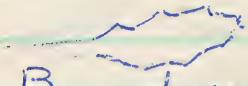
1990 Feb 24th Flowering Sperm whale Head. Flowers white but mauve on back of rays. leaves as above but with many leaves up to 5" with half the length being stem-like with no division between leaf + stem. Flowering stalk hairy but also with short glandular hairs Achenes hairy with no tubercles + no wings. Rays ± 25.

1993 Feb 26" Flowering along track to Shallow Inlet.

1993 Jan 18" " " Livingstone Ck near Omeo.

Brachycome linearioba Very Tiny Daisy.

1971 Sept 3 Flowering at Mt Arapiles. Tiny plant, probably annual, appp 3cm high. Single stalk with appp 5 leaves on it. Leaves about 5mm long including stem and toothed with 3 to 5 lobes rather sharply pointed.



Leaves covered with hairs. Branch or main stalk with sparse hairs but marked in sections.

Flower small appp 4mm across with one row (I think) of white ray florets. Disc flowers tubular and dividing into 2 (I think). Cannot find anther as all fertile flowers have gone. Achene with tuft of hairs on the top and a little lopsided.

The hairs at top of achene much shorter than the tubular flower.

Bracts at base of flower around the involucral broad, pointed, very hairy and maroon colored at tip. I think there is only one row of bracts.

Brachyscome Multifida (Rock)

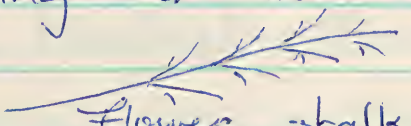
1966 25 Sept Flowering at Cowwar.
1967 1 Sept Flowering at Glenmaggie.
1968 3rd " " Cowwarr.
1969 2nd Feb. Flowering at Tyers down W. 3.
Plant very small about 1ft high slightly procumbent & then erect. Flowers pale mauve with one row of ray florets. Tubular flowers in middle. ~~leaves~~ about ½" across, very dainty & fine. Leaves very much dissected apparently on long stem. Stem ½" to ¾" long before any leaf segments. Leaf segment approx ½" long with mostly 6 segments. Stem appears to be same width to end of leaf & segments about same width as stem although of varying lengths.

On some leaves the segments are themselves toothed. Stem of plant brown but leaf & stem all green. The whole effect is very lacy. The brown stem is branched near top and flower is at end of branchlet, with brown stem about 1" long before flower & after last leaves.

15th Feb. Flowering at Cooper's Creek. Forming dense mats about 6" high and about 1ft sq. in area. Some plants were climbing about 3ft high among the shrubbery.

1970 Oct 11th Flowering at Cowwarr.
1971 Aug 29th " in the Grampians.
1974 Nov 9th " on Licola weekend

Brachycome nivalis ~~tricuspidata~~ Hard-head Daisy

1971 Jan 30. Flowering at Howitt Plains.
leaves  . All basal on long
stems. ~~Flower~~ stalk 6" leafless with
conspicuous floral bracts which last after flower.

1970 Jan 25th Flowering at the Cobberas. Flower white
about 9" high on leafless stalk.
Dissected leaves in rosette.

9

Brachyscome obovata

1973 Dec Flowering at Mt Baw Baw

1997 Jan 18 " " Bentley's Plain.

Brachycome parvula

1978 Oct 29th Plants with spent flowers in marsh near causeway at Lochs Sport. Leaves app. ¼" long, very narrow flower stalks very long about 2". Plant grows in clumps. Think this daisy also grows near Glenmaggie.

1985 Sept 23rd Plants growing near Crevillea site along Glenmaggie Weir Road to wall. Flowering at this time. Plants branched, ray florets about 10 Achenes smooth elongated but broadest at Top. Basal leaves up to 2½ - 3" broadest at apex, sometimes with a couple of lobes. Flower stalk glaborous and stem leaves only about 1" long and about 3 below flower bare. Collected specimens for Dr. Parsons (B. parvula but B. ciliaris? see letter N Scarlett)

1985 Nov 29th Plants flowering at Dawson up the railway reserve some distance from where station was, on left side moving away from Dawson. Also sent specimens to Dr. Parson with Neville Searlett. (B. ciliaris see N. Scarlett letter.)

1976 Nov 8th. Recorded with Dr. Parsons X4 Lake Reeve near causeway.

1993 Mch 13th Plant flowering at Dawson does not key out to B. ciliaris again but may still be that species flowers were violet & I could not see teeth on leaves. Achenes did not appear to have ~~tubercules~~ tubercules on surface. Sent to Dr. Parsons & will wait for result.

Brachy$^{5}_{h}$come perpusilla Rayless Daisy.

1973 Septs. Flowering at Diamond Hill - Bendigo.

Brachyscome petrophila Rock Daisy

1991 Jan 29th Flowering on Rocky Plain near Wulgulmerang.

Brachycome radicans  Marsh Daisy

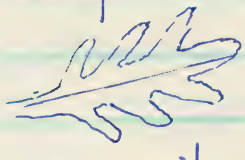
Jan 30th 1991  Mt Howitt excursion.
Very brief description - rossettes of narrow dark green leaves - broadest at apex. ≈ 2' 6" high.

1980 Mch 29th Flowering at Mt. Smythe reserve with B. graminea but with rosettes of narrow leaves rather than spoon shaped leaves. In this situation plants were only 6" high at the most.

1995 Jan 15th Flowering on Dargo weekend.
1996 Jan 20th " " Mt Hotham weekend.
1997 Jan 18th " " Mt Nugong + Bentley's Plain.

# Brachyscome rigidula — Hairy Cut-leaf Daisy

1971 Jan 30 Flowering on plains at Hewitt Springs and on Mt Hewitt Hike.
Branched plant, though branching towards base and not on stalks or branches. Branches app. 5" high and last 2" or so free from leaves. Leaves opp and then opp in other direction. Many leaves on each branch - more than 30 - leaves very dissected almost to mid-rib; yellowish green. Flowers app. 1" across and mauve. Wildflowers of Victoria says it is a perennial much branched, that grows to 30 cm (app. 1 ft) high.



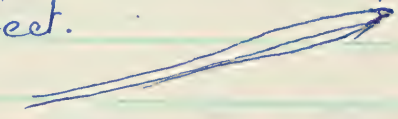
1992 Jan 26" Flowering on Bogong High Plains near Mt McKay.

1995 Jan 15" Flowering on Dargo weekend.

1996 Jan 20" " " Paw Paw Plain - Mt Hotham weekend

1998 Jan 23rd " " " Cielcuntipay weekend. Identified from specimens brought back.

Brachycome ~~ovalis var. alpina~~ scapigera Tufted Alpine Daisy

1971 Jan 30. Flowering on plains at Hawitt Springs. lovely purple daisy with bright yellow centre. Flower stalk app. 10cm high leafless usually with one tiny bract but not in any definite position. Flower app. 2cm across. leaves all basal spoon shaped but also curved upwards to give grooved effect.  tapering into long stem-like end. Mid-vein very pronounced + ridged on undersurface.
Very like picture on plate 7 Kosciusko Park Book only flowers purple instead of white.

1970 Jan 25th Flowering at the Cobberas Flower white plant unbranched.

1982 Oct 15th Flowering in Mullungdung near Sth Cupps. Highway. Flowers white on top + purple beneath petals but going all purple when pressed. 12 leaves to tuft and small bracts up stems. Bracts linear, bottom one ± ½" but top ones less than ¼". Only one flower stalk per plant yet.

1994 Jan 15th Flowering on Dargo weekend.

1991 Jan 28th " " Gelantipy weekend.

1998 " 23rd " " " " Identified from specimens brought back.

spathulata . (See next page also.)

Brachyscome scapiformis (Coarse Daisy)

1967 Oct 10th Flowering Cormandale Reserve.
1969 Sept 25th " " Rosedale
Oct 4th " " Burgoin's Gap.
1970 Jan 2nd " " Tambaritha Saddle
2 5th " " Wild Dog Creek, Wulgulmerang.
Flower white plant unbranched.
Aug 23rd Flowering at Holey Hill Trig Pt.
Oct 17th " " Briagalong

1981. April Cliff & Di Parsen have again given this plant species recognition saying B. aculeata is many branched, rays white above mauve below, while B. scapiformis chiefly single stem, rays wholly blue. as B. spathulata

1989. Herbarium Census acknowledges this species, ~~again~~ though I do not have a description.

1990 Jan 4-9 Think this plant growing on Dicksons Fall walk in snow plain area. My description in the field was :- 6 bracts up stem all toothed. Basal leaves spoonshaped, toothed, many. Ray florets 40. Leaves glabrous, bracts stem clasping. Flower heads solitary. on single stalk.

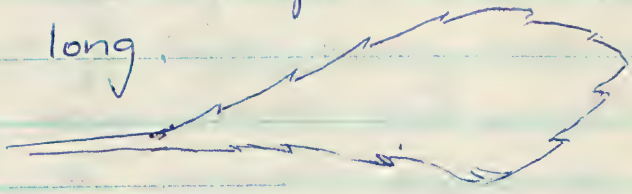
1993 Jan 31 Flowering in the Errinundra N.P.
1997 Jan 18th " " Mt Nugong.
1998 Jan 23rd " " Cielantipy weekend. Identified from specimens brought back.

Spathulata
(scapiformis)

Brachycome ~~scapigera~~ ~~Tufted Daisy~~

1970 Jan 25th Flowering at the Cobberas.
Flower white, plant unbranched.

1971 Jan 30th Flowering at Howitt Plains.
leaves all basal, thick, shiny dark green with conspicuous midrib. About 3 ins long.



Flower mauve both back and front of petals, stem almost 1ft high, glaberous, thick light green. Flower over 1" wide - 20 ray-florets. Lower ~~st~~ leaves taper into stem-like end near ~~branch~~ stem of plant.

1967 Oct 10th Flowering at Ciormandale Reserve.
1969 Sept 28th " " Rosedale
Oct 4th " " Burgoin's Gap
1970 Jan 2nd " " Tamboritha Saddle.
25th " " Wild Dog Ck. Wulgulmerang.
Flower white plant unbranched.
Aug 23rd Flowering at Holey Hill Trig P.
Oct 17th " " Briagalong.

1975 Jan. Considered a distinct species - chiefly single stem, rays wholly blue. [C. Beaugle hole x R. Parsons]

1985 Nov 2nd Flowering in Tamboritha area. Identified by J. Galbraith

1984 Feb. Census of vascular plants of Victoria now change the name from B. scapiformis to B. spathulata.

1990 Jan 4-9. See previous page.

Brachyscome (Tenuiscapa.) Mountain Daisy

1990 Jan 9th Flowering near Cobungra on way back from Mt. Buffalo. leaves linear app. 4" long, hairy glandular with minute serrations along margins. (Would think plant would by stoniferous but not sure. Tuft of about 6-8 leaves, Flower stalk about 1ft high, hairy and. glandular with many leafy bracts that were broadly lanceolate with undulate margins from 1" at bottom to less than ½" at top about 3" below flower. Flower deep purple about 1½" across with app 14 broad petals". Photographed. Could not pull flower apart as I wanted to press it for Jean. Not at all sure of identification.

1995 Jan 15th Flowering at King's Spur lookout on Dargo High Plains, This daisy keys out in Willis & certainly has the glandular hairs.

~~1995 Jan~~

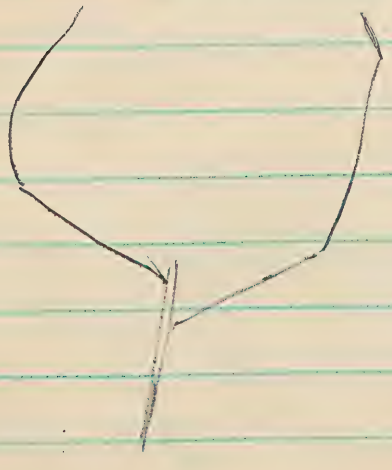
* Brassica rapa. Wild Turnip!

1991 Oct 26" Collected specimens from Oliver's corner along Downie's lane.

Identified by Dr. Parson. Description in "Flora of Australia". Flowering at this time but flowers over long period. Flowers very bright yellow with flowers overlapping buds. Lower leaves green. Part of turnip family.

1997 Nov 12" Flowering along Downies lane.

Upper leaves sessile, oblong lanceolate, becoming glabrous, base dilated & deeply cordate, clasping stem. Inflorescence with open flowers overlapping buds in our specimen. Petals 6-11mm long bright yellow. Fruit obliquely erect 4-7cm long, somewhat constricted between seeds.



*

Briza maxima — Shell Grass.

1994 Nov 26. Plants in seed on DPI block Stradbroke Sth Gipp. Hway
1994 Nov 1 " " " in Casuarina Reserve Fulham
Oct 30 " " " " Dawson Water Reserve
" " " " " " R'way "
1995 Dec 19 " " " " Railway Line Reserve T'gon
Oct 28th " " " " Wonthaggi Heathlands.
2004 Aug 27th " " " Newborough bush.
Dec 1 " " " " " Sandy Creek.
2004 Nov 14 " " " Railway Reservoir Reserve T'gon

*

Briza minor — Quivery Grass

| | | |
|---|---|---|
| 1994 | Nov 26 | Plants in seed on APM Hook Stradbroke Sth. Gipp. H'way |
| | Oct 28 | " " " " Tigon Sth Reserve |
| | Nov 1 | " " " " Casuarina Reserve Fulham |
| | Oct | " " " " Dawson R'way Reserve |
| 1995 | Dec 19 | " " " " Railway line Reserve, Tigon |
| 2001 | Nov 3 | " " " " Newborough Bush. |
| | Dec | " " " " " " Sandy Creek. |
| 2002 | Nov 14 | " " " " Railway Reservoir Reserve, Tigon. |

* Bromus carthartícus Pairie Grass.

1992. Oct(?) Growing along Downies Lane.
Panicles on long drooping branches, tall grass
Ligule stem clasping, margins entire. Leaves green
not hairy, 28.5 cm long.

2000 Apr 11th Growing in Heyfield Wetland.

2002 Nov 14th " " Railway Reservoir Reserve, Tigon.

* Bromus diandrus Great Brome

1992 Oct(?) Growing along Downies Lane.
Tall grass with weeping panicle, lemmas with one awn 4-6cm long. Leaf drying at flowering time, hairy. Ligule membranous & spiked.

*

Bromus hordeaceus Soft Brome

1994 Oct. Plant recorded for Dawson River Reserve
1999 Nov 26th Flowering along our line. See grasses folder.
2002 Nov 30th " in Toongabbie Wetlands

*

Bromus rubens Red Brome

1994 Oct 28 Plants growing in Dawson R'way Reserve

* Bromus sterilis Barren Brome

1994 Oct 28 Plants growing in Dawson R'way Reserve.

# Brunonia Australis (Pincushion)

| | | |
|---|---|---|
| 1966 | Oct 8th | Flowering near Chester Park. |
| 1967 | Oct 8th | " " A.P.M Bush near Reserve |
| 1969 | Jan 1st | " " Anderson's Track |
| | Oct 18th | " " Rosedale. |
| | Nov 2nd | " " Briagalong. |
| 1970 | Jan 5th | " " Licola Rd. |
| | 18th | " " Seneni's Track |
| | Nov 25th | " " Briagalong |
| 1971 | Aug 8th | " " Whitelaw's Track. T.S. |
| | | Flower was white. |
| 1994 | Oct 28th | Flowering in Tgon Sth Reserve |
| 1995 | Dec 3rd | Growing in Sweetwater Ck Reserve. |
| | Dec 10th | Flowering in Tgon Sth. |
| 2006 | Nov 15th | " " Seneni's Track |

# Bulbine Bulbosa.

| | | |
|---|---|---|
| 1966 | Oct 29th | Flowering near the school. |
| 1967 | Oct 22nd | " at Clark's Rd. |
| 1968 | Oct 6th | " " Cochrane's Lane |
| | 13th | " " Flynn Railway Line. |
| 1969 | Oct 4th | " " Canungra. |
| | 18th | " " Clarke's Rd, |
| | Nov 2nd | " " Briagalong. |
| 1970 | Jan 26th | " in Wulguhmerang area. |
| | Oct 8th | " " Railway Line Morwell. |
| | Nov 25th | " " Briagalong |
| 1971 | Jan 30 | " " Howitt Springs + Mt Howitt Hike. |
| | Nov 12th | " " Flynn. |
| 1978 | Jan | Synonymous with Bulbinopsis bulbosa. Telopea. No 4. (1977) [C. Beauglehole + R. Parsons] |
| 1993 | Jan 31. | Errinundra |
| 1994 | Nov 1 | Casuarina Reserve Fulham. |
| | Oct 30 | Dawson Water Reserve - flowering |
| | " | " R'way " " |
| 1995 | Jan 15th | Dargo weekend |
| 1996 | Oct 12 | Mt Heddrick |
| 1995 | Oct 25th | " " |
| 1996 | Jan 20th | Flowering on Hankys Ram + other places - Mt. Hotham weekend. |

Bulbine  Key Flora of Victoria

1. Inner 3 stamens bearded; perianth segments less than 7 mm; plants usually annual  B. semibarbata

1. All 6 stamens bearded; perianth more than 9 mm long; plants perennial.  2

2. Stamens bunched, anthers more or less basifixed, partly obscured by acute or clavate filament hairs, at least some remaining erect; leaves non-glaucous; generally with tuberous rootstock  B. bulbosa

Stamens loosely grouped or spreading, anthers visible, not obscured by the clavate filament hairs, recurving after dehiscence; leaves glaucous; rootstock not tuberous.  B. glauca.

dehiscence = breaking open at maturity to release contents e.g. anthers or some fruits.
basifixed = something attached by its base e.g. ~~anther~~ hair, an anther attached to the filament.
clavate = club shaped.
basifixed = anther attached at or by the back.
filament = stalk of a stamen.

Key to Flora of N.S.W. just difference between B bulbosa & B glauca

3. Usually with bulb; leaves slightly scabrid; scapes 1 or 2; stamens 5-9 mm long; anthers ± basifixed; seeds brown to almost black  B bulbosa

3. Without bulb, rootstocks with rhizome; leaves glabrous; scapes 2 or more, stamens 5-8 mm long; anthers apparently dorsifixed, seeds silver-grey with black markings.  B. glauca.

Bulbines  Key to Flora of NSW.

~~first difference~~
distribution of

B. glauca  Occurs chiefly on rocks known in Victoria from a few elevated sites (Pine Mountain, Warby Range, Mt Buller, Buchan district) & from very different habitat at sea-level on and near Wilsons Prom. on crevices of granite boulders within the salt-spray zone. Flowers Spring-Summer.

B. crassa  In Muelleria Vol 22 2005 this species is described & added to Victoria's flora. They suggest following key be added to Flora of Victoria key.

1. Perianth segments less than 7mm long, stamens opposite outer perianth whorl glabrous, plants annual. B. semibarbata
1. Perianth segments more than 7mm long, stamens opposite outer perianth whorl usually bearded, sometimes sparsely or glabrous; plant perennial. 2
2. Mature leaves flaccid, not succulent; tubers present; anthers ± basifixed, partly obscured by hairs B. bulbosa
2. Mature leaves succulent, tubers absent; anthers versatile (swinging freely about point), not obscured by hairs 3
3. Scapes 2-5.5mm across at base; all stamens with a dense tuft of hairs B. glauca
3. Scapes 7-10 mm across at base; stamens opposite inner perianth whorl with a dense tuft of hairs, stamens opposite outer perianth whorl glabrous or with few to many hairs. B. crassa.

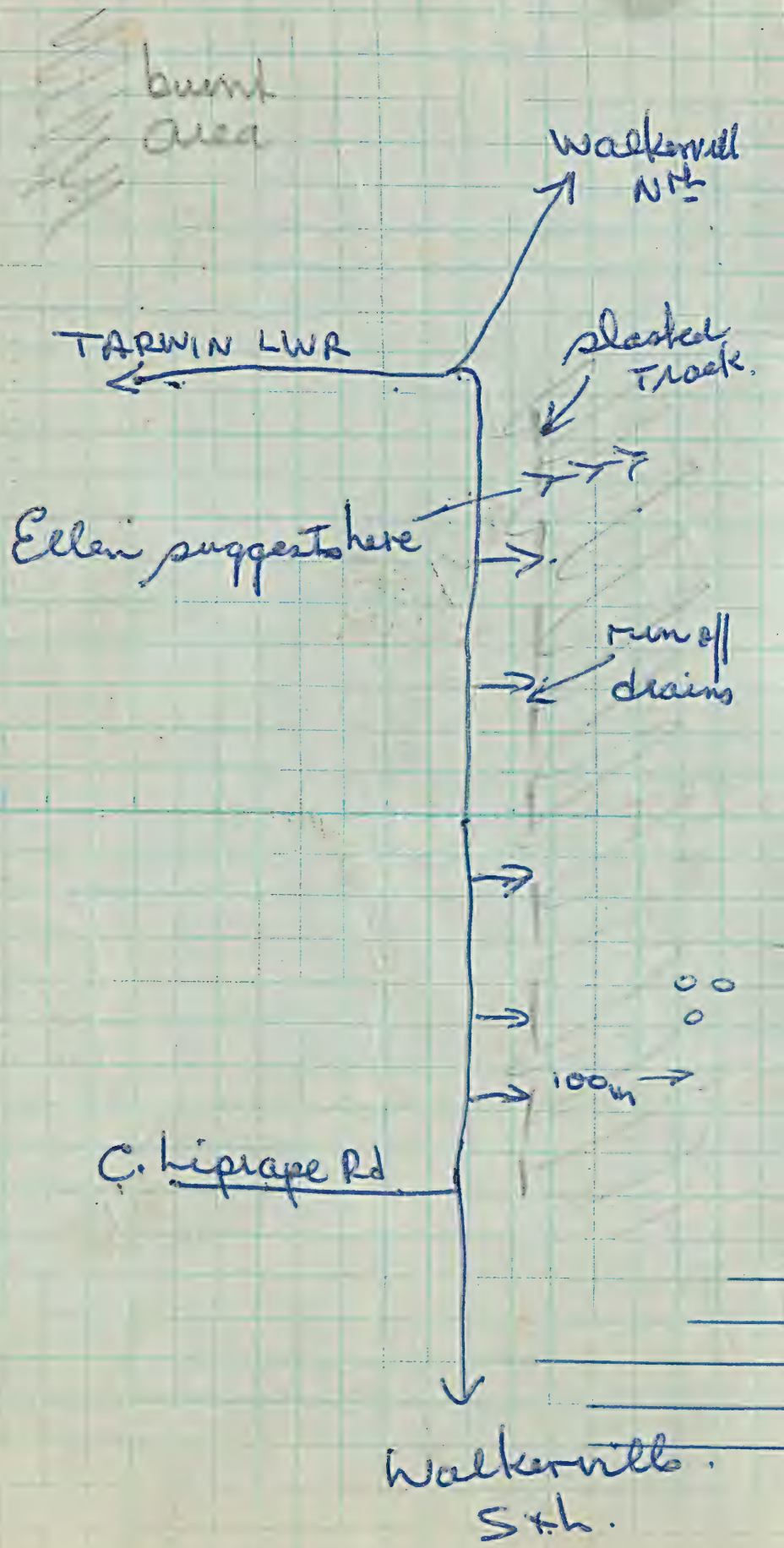
Bulbine Semibulbosa

| | | |
|---|---|---|
| 1992 | ~~Jan~~ Nov | Flowering in Tyers Regional Park along the pipeline area near conglomerate well. |
| 1993 | ~~Jan~~ Nov | Ollie grew seeds of above plant + we sent specimen to Dr. Parsons. Identification verified. |
| 1998 | Nov | Flowering in Knob Reserve, Stratford. |
| 2006 | Sept 29 | " at Dawson recorded by Ralph Laby. |

# Burchardia umbellata (Milk-maids)

| | | | |
|---|---|---|---|
| 1966 | 28 Sept | Flowering | Home Hill near reserve |
| 1967 | Oct 8th | Flowering | A.P.M. Reserve |
| | Nov 4th | " | Wolfe's Swamp |
| | 25th | " | Anderson's Track |
| 1968 | Oct 29th | " | A.P.M. Reserve |
| | Oct 13th | " | at Flynn. |
| | Nov 17th | " | APM Reserve |
| 1969 | Jan 1st | " | Anderson's Track |
| | 5th | " | Dead Horse Gully |
| | Aug 29th | " | at Ciranite Rock. |
| | Oct 4th | " | Cowwarr. |
| | 19th | " | Clarke's Road. |
| 1970 | Oct 11th | " | at Heyfield. |
| 1971 | Oct 10th | In Bud | at Rosedale |
| | 24th | Flowering | at Reid's Rd. Corner |
| | Nov 12th | " | " Flynn. |
| | 13th | " | " Cowwarr. |
| 1994 | Nov 26 | Flowering on | APM block Stradbroke Sth Cipp. Hway. |
| | Oct 28 | " in | Re Tigon Sth. Reserve |
| | Nov 1 | " " | Casuarina Reserve Fulham |
| | Oct 30. | " " | Dawson R'wey Reserve. |
| 1995 | Oct 25th | " " | Wonthaggi Heathlands |
| 1996/1 | Oct 12 | " - | Mt Heddrick |
| 1995 | Dec 19th | In seed | " Railway line Reserve, Tigon |
| 2000 | Dec 3 | " " | " Sweetwater Ck. Reserve |
| 2001 | Aug 27th | Growing in | Newborough bush. |
| | Dec 1 | " " | " " Sandy Creek. |
| 2002 | Nov 23 | " - | Holey Plains State Park |
| 2004 | Apr 3 | " " | Colley's Rd. Block. |
| 2006 | Sept 30 | " " | Senecis Track |
| | Nov 4 | " " | Springsure area. |

Burnettia cuneata




0 colonies 16/10/94.

R. Court.

33 Wellandra
Alderley

Burnettia cuneata (Lizard Orchid)

1961 Oct 26th Flowering along Seninis Track. in damp soak on side of hill.
Scape: approx 1½' tall
Leaf: Only small leaf bract at base of reddish stem.
Dorsal sepal: hooded
lateral petals): like Caladenia set horizontal with sepals very square tip
labellum: makes tube with dorsal sepal. Red stripes on outside of labellum with ridges inside going downwards
Back of petals yellowish with red stripes but inside white.
Bud reddish a bit like a lizards head

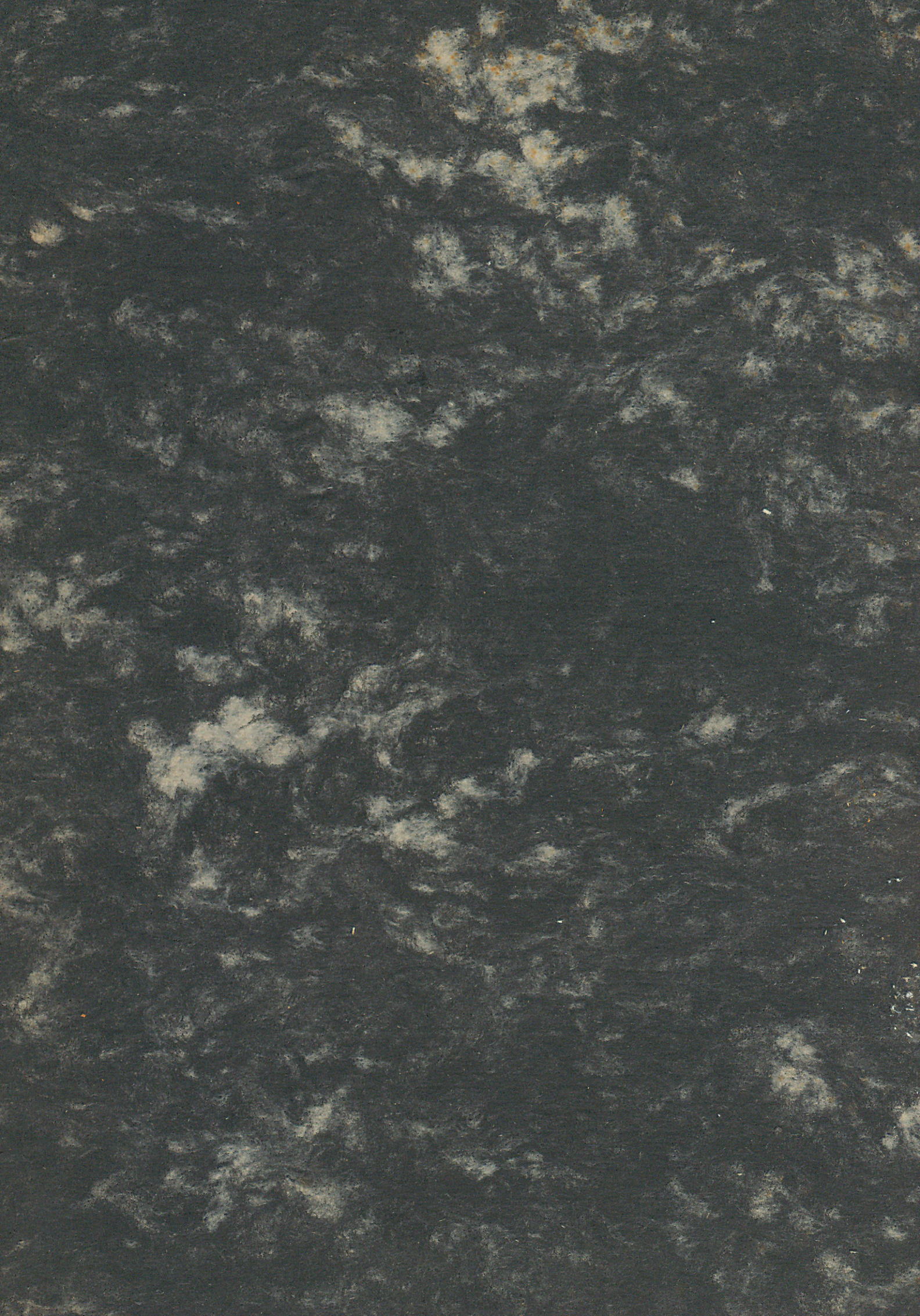
Nov 3rd Still flowering as above.
1969 Nov 8th Flowering along Lighthouse Track at Watson's Prom. Growing right in the gravel of the track. Identified by Mr Homan.
1998 Oct 22nd Flowering in heathlands at Walkerville.

Bursaria Spinosa (Kurwan)

1967 Jan 4th Flowering in the Callignee Hills
1968 " 12th " along Tyers Rd.
" 25th " at Wolfe's Swamp.
Sept 28th Plants found on roadside near Patson Downs - not in flower but quite big bushes about 10 ft high. Spines not so noticeable on the old wood.
Oct 13th Flowering at Cowwarr - Stoney Ck.
1968 Feb 9th " up Traralgon Creek.
1969 May 24th Plants covered with brown seed-pods on road to Cape Paterson.
Aug 29th In seed at Granite Rock.
1970 Jan 1 Flowering at Heyfield
" 18th " at Seneni's Track.
" 24th " on Bruthen Rd.
1971 Sept 2nd Plants growing at Mt Arapiles.
1980 March 9th Some plants still flowering at Wilson's Prom. although many have finished. Bushes 10ft high with broad shiny leaves up to 2½" x ¾". Shiny dark green above but dull lighter green beneath. Could not find any spines on the specimen we had. Flowers & seeds as usual. This is apparently common for coastal form. See "Flowers & Plants of Victoria" by Rotheram etc.
1989 May 7th Plants growing at Taylor Rd turnoff on Lime Pit Rd. Rosedale. Also growing just over Merriman's Ck on Taylor's Rd. These plants are tall bushes 10ft high with glabrous leaves ⊂ shape. 2.5cm or more long & 7mm at broadest part dark shiny above. No spines on plant that we could see. Seed pods dense on ends of branches. We think this may be var. macrophylla although leaves are narrower than described in Willis P. 199.

| | | |
|---|---|---|
| 1990 | July 22nd | Plants in previous entry still had seed pods on them. Very few spines; none on upper branches but some on lower branches. Will send specimen to D. Parsons. |
| 1993 | Jan 31 | Growing in Errinundra N.P. & in flower. |
| 1994 | Nov 26 | Flowering in RPM block Stradbroke Sth Gipps. Hway. |
| | Oct 30 | " " Dawson Water Reserve. |
| 1995 | Jan 15th | " on Dargo weekend |
| | Oct 28th | " on Wonthaggi Heathlands |
| 1996 | Jan 20th | " " Mt Hotham weekend. |
| 1997 | " 18th | " " Mt. Baldhead near Omeo. |
| 1999 | Jan 23rd | Recorded on Gelantipy weekend. |
| 2002 | Nov 23rd | " " Holey Plains State Park. |

spinosa subsp?

Bursaria lasiophylla

1992 Jan 25th Flowering on way to Buckley Plains from Angler's Rest. Leaves hoary beneath, apex rounded much smaller than B. spinosa leaves. Flowers similar in usual racemes. Spines not very many at all.